

19981102.qrp v01\_n264.qrs.981102

Date: Mon, 2 Nov 1998 19:08:28 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1264

## QRP-L Digest 1264

Topics covered in this issue include:

- 1) [23810] VELOCITY FACTOR  
by ARDUJENSKI@aol.com
- 2) [23811] FS QRP RIGS/MISC.  
by n1wcc@juno.com (Arol B Hill)
- 3) [23812] New calls seen on QRP-L  
by "Paul R. Valko" <prvalko@oakland.edu>
- 4) [23813] Proposed Change in FD Rules  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 5) [23814] Official PORTA-ZOMBIE SHUFFLE Results!!!  
by Goemans <jgoemans@facstaff.wisc.edu>
- 6) [23815] What a great day to be a QRPer  
by "John Burnley" <burnley-ia@worldnet.att.net>
- 7) [23816] 509 w/DD-1 Display  
by "Tim Cook" <timcook@erinet.com>
- 8) [23817] Elmer 200 & Data Book  
by Paul Harden <pharden@aoc.nrao.edu>
- 9) [23818] measuring power - ssb.....George N2JNZ  
by Lisa Osier <osier@northnet.org>
- 10) [23819] Wire/Rope/Trees Antennas  
by hamjoel@juno.com
- 11) [23820] Re: The Amazing and Wonderful FCC...My Friend  
by "Joe S" <joe@quadj.com>
- 12) [23821] zombie log  
by "K. Babcock" <casey@mufn.org>
- 13) [23822] PROTO 1 done! <Resonant Speaker>  
by we6w@juno.com (Ed Loranger)
- 14) [23823] Can OMNI V go down to QRP??  
by "Gary M. - W2UX" <MAIL4GARY@worldnet.att.net>
- 15) [23824] FOX: Leader Board  
by "Paul R. Valko" <prvalko@oakland.edu>
- 16) [23825] Re: Dan Tayloe's phasing mixer  
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 17) [23826] Re: Dan Tayloe's phasing mixer  
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 18) [23827] Zombie Shuffle  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 19) [23828] 11-2-10 project

- by "Frank Grigaliunas" <fgrig@iea.com>
- 20) [23829] NA5NA  
by k5ubs@juno.com (Oscar A Hoyt)
- 21) [23830] The old DX hegemony &c  
by nilsbull@juno.com (Nils R Young)
- 22) [23831] amateur radio  
by "Mabel and Don Adams" <adamsdm@lewiston.com>
- 23) [23832] Elvis Zombie log  
by talljazz@teleport.com (Dan Presley)
- 24) [23833] Re: 509 w/DD-1 Display  
by Steve <smann@advi.net>
- 25) [23834] Re: BEAM - RE:Ideas for 300 ohm Twinlead  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 26) [23835] Re: VELOCITY FACTOR  
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 27) [23836] question  
by ac5ez@webtv.net (Larry B)
- 28) [23837] Re: Proposed Change in FD Rules  
by Andy Fox <foxes@theriver.com>
- 29) [23838] What was that? What was that?  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 30) [23839] Re: amateur radio  
by Bob Edwards <w4ed@flash.net>
- 31) [23840] Re: The Amazing and Wonderful FCC...My Friend  
by Dick Schneider <rschneid@ix.netcom.com>
- 32) [23841] Antenna feed  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 33) [23842] Re: Shunt feed  
by "Bob Tellefsen" <n6wg@earthlink.net>
- 34) [23843] Re: amateur radio  
by Paul Harden <pharden@aoc.nrao.edu>
- 35) [23844] Pacificon Proceedings et al  
by notajock@juno.com
- 36) [23845] Re: amateur radio  
by Erv <kb8tnq@voyager.net>
- 37) [23846] Jim Kortge's Rig is Reproducible  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 38) [23847] Re: Leader Board  
by "Bill Todd" <bill@willapabay.org>
- 39) [23848] Nicads, cheap  
by Tom Bowman <tbowman@nbn.net>
- 40) [23849] Zombie Shuffle: Event report  
by "Doyle, Ronald D" <RD130947@exchange.DAYTONOH.NCR.com>
- 41) [23850] Re: Dan Tayloe's phasing mixer  
by John Levreault <jlevro@mediaone.net>
- 42) [23851] Re: New calls seen on QRP-L  
by frank lauri <qrpp@yahoo.com>
- 43) [23852] FOX: Bumble Fox.....Take Two

by ab5uacw@juno.com (Clifton W Sikes)

44) [23853] Re: Solar Power?  
by Roger Hightower <n7kt@earthlink.net>

45) [23854] the FCC and qrp kayaking  
by Ab7wy@aol.com

46) [23855] Re: ARRL SS Soon  
by "Ed Hare, W1RFI" <ehare@arrl.org>

47) [23856] Doghouse Operation Sprint  
by jeverhar@cse.l-3com.com

48) [23857] Re: Pacificon Proceedings et al  
by "Michael Fletcher" <kl7ixi@mailcity.com>

49) [23858] Not QRP - How to view embedded attachment?  
by Andy Fox <foxes@theriver.com>

50) [23859] who had RS walkie-talkies FS last week?  
by wctroutfield@west.raytheon.com

51) [23860] Re: Not QRP - How to view embedded attachment?  
by Yaacov@barcode.co.il

52) [23861] Re: Not QRP - How to view embedded attachment?  
by Andy Fox <foxes@theriver.com>

53) [23862] Re: Not QRP - How to view embedded attachment?  
by we6w@juno.com (Ed Loranger)

54) [23863] N/T+ Fox on the loose  
by Brian Murrey <brian@iquest.net>

55) [23864] Re: the FCC and qrp kayaking  
by crc <crc@io.com>

56) [23865] Re: Proposed Change in FD Rules  
by Ed Tanton <n4xy@att.net>

57) [23866] Zombie Shuffle log  
by Grant Taylor <k7gt@qsl.net>

58) [23867] Accurate QRP pwr  
by crc <crc@io.com>

59) [23868] RE: the FCC and qrp kayaking  
by Kevin Muenzler WB5RUE <wb5rue@stic.net>

60) [23869] Huge fireball over south Texas  
by Kevin Muenzler WB5RUE <wb5rue@stic.net>

61) [23870] Re: amateur radio & my 2 cents  
by Ed Tanton <n4xy@att.net>

62) [23871] KC-2 it works!!! Tks...  
by n0tu@webaccess.net

63) [23872] Zombie ztuff  
by "Franco, Nicholas J" <franco@bnl.gov>

64) [23873] Sweepstakes/CW  
by Grant Taylor <k7gt@qsl.net>

65) [23874] Apology To All  
by DENNISMO@aol.com

66) [23875] Re: the FCC and qrp kayaking  
by KC5TJA <kc5tja@topaz.axisinternet.com>

67) [23876] Re: Accurate QRP pwr

- by Mike Parkes <ab7ru@yahoo.com>
- 68) [23877] Re: Not QRP - How to view embedded attachment? - Thanks Again!  
by Andy Fox <foxes@theriver.com>
- 69) [23878] Fwd: Re: Apology To All  
by Bob Hightower <ki7mn@extremezone.com>
- 70) [23879] FOX: N/T+ Fox/2 on the loose  
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 71) [23880] Re: Accurate QRP pwr  
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 72) [23881] Accurate QRP Power  
by Davewb4@aol.com
- 73) [23882] 3M Scotchkoate substitute  
by Blackpug1@aol.com
- 74) [23883] Re: FOX: N/T+ Fox/2 on the loose  
by Chris Cartwright <ccart@dns.vidtel.com>
- 75) [23884] Peak power measurement  
by Grant Taylor <k7gt@qsl.net>
- 76) [23885] Re: FOX: N/T+ Fox/2 on the loose  
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 77) [23886] Re: Huge fireball over south Texas  
by "DJ Rock" <b2bn@hotmail.com>
- 78) [23887] RE: Huge fireball over south Texas  
by Larry Cruise <Larry.Cruise@mci.com>
- 79) [23888] delta loop for 15 meters help  
by wctroutfield@west.raytheon.com
- 80) [23889] terminating Tayloe mixer  
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 81) [23890] Re: Accurate QRP pwr  
by Russ Hines <radioruss@fuse.net>
- 82) [23891] URL for SunLight Energy Systems (Mike Bryce)  
by Roger Hightower <n7kt@earthlink.net>
- 83) [23892] RE: Proposed Change in FD Rules  
by Ed Tanton <n4xy@att.net>
- 84) [23893] Re: 3M Scotchkoate substitute  
by Ed Tanton <n4xy@att.net>
- 85) [23894] AR-QRP Net Schedule  
by Robsparks@aol.com
- 86) [23895] Re: Proposed Change in FD Rules  
by "Michael L. Ardai" <n1list@netcom.com>
- 87) [23896] Wanted: Sierra  
by jeff@technologylaw.com (Jeffrey Blumenfeld)
- 88) [23897] For Sale-Argo 515 plus misc.  
by "Charles L. Stackhouse" <cstack@safelink.net>
- 89) [23898] FS: MFJ 9020 with cw filter  
by jeff@technologylaw.com (Jeffrey Blumenfeld)
- 90) [23899] where to set up in Santa Monica and San Diego  
by "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
- 91) [23900] sweepstakes

- by ac5ez@webtv.net (Larry B)
- 92) [23901] FAQ's  
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 93) [23902] arrl ss  
by ac5ez@webtv.net (Larry B)
- 94) [23903] Re: Accurate QRP pwr  
by Steve <smann@advi.net>
- 95) [23904] 2N2/40 Update #3  
by "Jim Kortge, K8IQY" <jokortge@cwix.com>
- 96) [23905] Re: MORE INFOR -CAROLINA'S NOVEMBER QRP-FEST  
by DLShips@aol.com
- 97) [23906] Sweeps Stakes From K0FRP  
by alan dawkins <alk0frp@earthlink.net>
- 98) [23907] CQ all A-1 OPS  
by alan dawkins <alk0frp@earthlink.net>
- 99) [23908] Thanks to the denver QRP'ers  
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 100) [23909] Heathkit Stuff Wanted !!  
by Andy Cunningham <andy@gm0nwi.freemove.co.uk>

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Date: Sun, 1 Nov 1998 19:13:43 EST  
From: ARDUJENSKI@aol.com  
To: nwq-1@scn.org, qrp-1@Lehigh.EDU  
Subject: [23810] VELOCITY FACTOR  
Message-ID: <95032b54.363cf937@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Before I start construction I want to check one item before I start cutting wire to make sure my theory is correct.

VELOCITY FACTOR: If I use 300 ohm in lieu of bare copper wire for antenna construction I can shorten it by xx percent. For example 300 ohm RS foam filled tv flat wire is about 0.80. Therefore I can shorten tuned wire by that amount.

FOR EXAMPLE:

(1) The 33 ft vertical sections on a half square or bobtail can be shortened to about 26.4 ft if the wire is shorted at top and bottom.

(2) An EDZ (40M) can be shortened from 165 ft overall to 132 ft. This means you can fit an EDZ in the same space a normal EXTENDED ZEPP fits into provided you use shorted 300 ohm line. (to clarify, each top leg will be shorted at the end and at the middle where it connects to the feedline) It appears that this

"wider" wire will give a bit broader bandspread. Since I use a tuner this is of little consequence. Not as important as being able to shorten the antenna elements.

Please show me the errors of my ways otherwise I will be cutting and soldering tomorrow...thanks..Alan KB7MBI

-----  
Date: Sun, 1 Nov 1998 19:20:39 -0500  
From: n1wcc@juno.com (Arol B Hill)  
To: qrp-l@lehigh.edu  
Subject: [23811] FS QRP RIGS/MISC.  
Message-ID: <19981101.192047.18126.0.n1wcc@juno.com>

Thanks to all that have responded all items are spoken for except for A&A 30 meter Gary Breed rig assembled but not aligned..  
Theres one inquiry for this item from jim WA6GER whom i've snswered but am not getting thru to his mailbox so i'm posting my reply to him here in hopes he reads it..

Hi Jim  
I assembled the rig on the bench and its still there so it's cosmetically perfect. Still Have the manuel also....did a good job on all the solder points nice and clean..like to solder em like i'm entering them in a country fair..  
If your interested heres my address

Arol B. Hill n1wcc  
17 Van Horn St.  
W.Spfld. Ma. 01089

Thanks and 72's

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 1 Nov 1998 19:27:40 -0500 (EST)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: Paul Harden <pharden@aoc.nrao.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23812] New calls seen on QRP-L  
Message-ID: <Pine.OSF.3.95.981101192600.14485A-100000@vela.acs.oakland.edu>  
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 1 Nov 1998, Paul Harden wrote:

> On Sun, 1 Nov 1998, N H wrote:  
> > Yesterday, my new license arrived in the mail.  
> > 72 NA5NA nat  
>  
> And a nice call, too :-)  
> 72, Paul NA5N

I was going to say, you know, for a metric call... it wasn't half bad!

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

-----  
Date: Sun, 1 Nov 1998 16:49:29 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Cc: "'w7el@teleport.com'" <w7el@teleport.com>  
Subject: [23813] Proposed Change in FD Rules  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

Roy Lewallen has asked me to post the following here on qrp-l about a =  
proposed change in Field Day rules. If you agree, Roy would like you =  
to contact the ARRL in support of this rule change, as the more people =  
that support an idea, the greater chance it has of passing. Roy's =  
message is not edited in anyway and is presented here as he sent it to =  
me.

.....  
I have to confess: I've been violating the rules on Field Day for the =  
past 20 years. So all you folks listed below W7EL in the Field Day =  
results should move your positions up one notch. Actually, I might not =  
be the only one, so you might be able to move up more yet.

The illegal thing I've been doing is "floating" a battery across a solar =  
panel during daytime operation. This is not allowed. It's o.k. to use a =  
solar panel, but you either have to have a panel with enough capacity to =  
provide full key-down current (and a voltage regulator other than a =

battery), or you have to charge a battery with the panel while the rig is disconnected, then disconnect the panel before hooking the battery to your rig.

The rule that prohibits this is Field Day rule 6.7 (see QST, May, 1998, p. 108):

=20

6.7. Batteries may be charged while in use for Class C [mobile] entries only. For other classes, batteries charged during the Field Day period must be charged from a power source independent of the commercial mains.

I recall seeing this rule for every Field Day since my first participation in the early '60's. I've always assumed that it meant that batteries could be charged from the commercial mains during use only in Class C entries, especially since it says that other classes must charge from a source independent of the mains. And no other interpretation made much sense. But not too long ago, a few people approached me and pointed out that if taken literally, it would prohibit the sort of solar panel hookup that's commonly used. I couldn't see any sense in having such a prohibition, but after some urging I formally asked the ARRL. My query and the answer I received are printed below without modification.

Because one of the primary purposes of Field Day is to give amateurs practice in emergency communications, it seems foolish to prohibit some of the kinds of power sources which would be the most useful in an emergency situation.

A solar panel with floating battery needs to supply only the average current used during the operating period. This is typically 1/5 to 1/10 the peak current required by the transmitter. During key-up (or non-voice) periods, the drain is less than the average, and the solar panel puts charge into the battery. During key-down or voice peak periods, the battery supplies the extra current needed. When the battery and panel are suitably sized, the panel will keep the battery nearly fully charged. If a properly sized panel and NiCd battery are used (the panel supplying no more than 1/10 the battery's one-hour capacity), no regulator is necessary to control charging. If a lead-acid battery is used, a simple voltage regulator is necessary, but it needs to handle only the solar panel current, and not the peak transmitter current. During cloudy periods or at night, the battery supplies some or all the power needed to run the station. The same comments apply to nearly any other "alternate" power source.

If a solar panel is used without the battery, it needs to have 5 to 10 times as much capacity, most of which isn't used except for the relatively short and infrequent periods of key down or voice peaks. A voltage regulator is an absolute necessity, and it must handle the peak



transmitter current. Operation has to cease, or the rig switched over to = battery power, during cloudy periods.

For these reasons, virtually all applications of solar power use panels = in conjunction with a battery. (To be truthful, as an experiment I once = successfully used a voltage regulator and gigantic capacitor to run my = rig from a reasonably-sized panel, but a battery makes a whole lot more = sense because of its much better voltage regulation and much greater = capacity.)

People using a generator or other power source can benefit from a = floating battery, also, for exactly the same reasons: the generator = capacity can be much less, the battery provides protection against = generator failure, and it furnishes voltage regulation and transient = protection.

So, what's the purpose of this Field Day rule, and what does it = accomplish? I haven't a clue, but it reminds me of a story told by Mason = Williams, the singer, poet, and philosopher. One day he was idly = watching his mother prepare dinner. The meal was to be leg of lamb, and = he watched as she laboriously cut all the meat from the bone. He asked = her why she went to all that trouble, rather than just cooking it with = the bone in. She stopped, thought for quite a while, then finally = responded, "I guess it's because my mother always did it that way." His = grandmother lived not far away, and the next time they visited her, he = asked her the same question. After a good deal more thought, her answer = was the same: "Because my mother always did it that way." Well, his = great-grandmother lived in a nursing home and they didn't get to visit = often. But when they did, he asked her why she always went to the = considerable trouble of cutting the meat off the bone when preparing leg = of lamb. "Why," she said without hesitation, "It's because the only pot = I had was too small to cook it with the bone in!" I suspect that the = rule in question has a similar history.

I realize that it's often better not to ask for clarification of rules, = but I felt obligated to clear up the questions. In any case, the cat's = out of the bag, and what has to be done, if you're interested in this, = is to lobby to get the rule changed.=20

Here's my proposal for a new Rule 6.7:

6.7. For all classes except Class D, batteries charged during the Field Day period must be charged from a power source independent of the commercial mains.

The exception for Class D (home stations, commercial power), rather than = Class C, is intentional. The reworded rule removes all prohibitions on = charging or "floating" batteries during use except from commercial =

mains.

The last message in the correspondence that follows is to Tim Duffy, =  
K3LR (tduffy@sygnet.com), the chairman of the ARRL Contest Advisory =  
Committee. He's the person I was told to contact to lobby for a rule =  
change. It might be helpful for others to contact him to show that =  
there's general interest in changing this rule. If you do contact him, I =  
also suggest sending a copy to your ARRL Division Director, whose email =  
address is listed near the front of QST (see "We're at Your Service" in =  
the "Departments" section of the table of contents).

Hopefully, this can be changed before next Field Day. If not, I don't =  
see any point in getting a solar panel that's ten times the size of my =  
current one, or unhooking the solar panel whenever I turn the rig on. I =  
just won't send in my logs.

Roy Lewallen, W7EL

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=20

Following is my recent correspondence with the ARRL. As you can see, =  
they responded very promptly. The message to Tim Duffy was just sent, so =  
he hasn't had a chance to answer.

=20

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=20

Subject: Field Day Rule 6.7  
Date: Thu, 29 Oct 1998 16:09:11 -0800  
From: Roy Lewallen <w7el@teleport.com>  
Organization: EZNEC Antenna Analysis Software  
To: kr1r@arrl.org

Billy,

First let me thank you for the work you've done on helping to keep  
Field Day the important, valuable, and fun event it is. Because of  
Field Day, a huge number of amateurs get valuable practice in  
preparing and operating emergency and portable equipment that they  
otherwise wouldn't.

I've given a number of talks on QRP Field Day operating, and have been  
asked several times about one of the Field Day rules. The rule in  
question is 6.7: "Batteries may be charged while in use for Class C  
entries only. For other classes, batteries charged during the Field  
Day period must be charged from a power source independent of the  
commercial mains." (Incidentally, if my recollection is correct, this  
has been part of the Field Day rules going back to at least the early  
'60's, when I first participated.)

A sizeable and increasing number of Field Day participants are doing as I've done for about 20 years now. I operate with a solar panel during the day and with a battery at night. The solar panel isn't able to produce enough current for the transmitter during key-down periods, but is able to provide the average current consumed while operating, which is much less. A rechargeable battery is "floated" across the panel to act as a reservoir, absorbing charge during key-up periods, and providing the extra current necessary when the key is down. During the day, the solar panel maintains the batteries at full charge by supplying the full amount of average current required by the station. At night, of course, the solar panel ceases functioning and the battery alone is used. This sort of hookup is standard for nearly all solar panel applications.

I've always assumed that Rule 6.7 means "Batteries may be charged FROM THE COMMERCIAL MAINS while in use for Class C entries only. . .", and that the solar-power/battery operation is within the spirit and intention of the "battery" class. I also routinely apply for the "alternate power" credit due to the solar power use. However, some people have expressed discomfort with Rule 6.7, which technically forbids charging the batteries while operating as a Class A or B entry.

Quite a few people would be very appreciative if you would clarify the meaning of Rule 6.7 as it applies to the above situation. Is it permissible (as I've assumed for years) to "float" or charge batteries with an "alternative" power source such as a solar panel while the batteries are in use?

Those using gasoline-powered generators might find it advantageous to float a battery across a generator, for voltage regulation and surge protection purposes, as well as insurance against generator failure. This would be an entirely legitimate thing to do, and in fact a good idea, in a real emergency situation, so it's hard to see why it would be forbidden on Field Day (although I don't believe anyone would object to this not qualifying as "battery"-class operation). Does Rule 6.7 forbid this also?

I'd like permission to post this letter and your response on an Internet newsgroup and the QRP-L mailing list, but I won't without your permission. I do hope that Rule 6.7 can be re-worded in future publications of Field Day rules to clarify its intent. If the situations described above are really intended to be forbidden, I'd like to lobby to change the rule.

Thanks for taking the time to look at this issue. And please keep up the good work on Field Day!

73,  
Roy Lewallen, W7EL  
ARRL Technical Advisor

w7el@teleport.com  
503-646-2885

Subject: Field Day query  
Date: Fri, 30 Oct 1998 10:30:14 -0500  
From: "Henderson, Dan N1ND" <DHenderson@arrl.org>  
To: "'w7el@teleport.com'" <w7el@teleport.com>

Hi Roy:

My assistant Billy KR1R has passed your query in regards to charging batteries during Field Day on to me. Simply put, unless you are operating as a mobile Class C, with the battery being charged by the alternator while you are driving, you may not operate a transmitter connected to a battery while the battery is being charged. Batteries may be charged during Field Day for other classes, but they may not be used while they are charging, and they must be charged from sources other than commercial power mains. Charging batteries with solar power, or with your charger plugged into your generator is acceptable, but may not be used for transmission while they are connected to the charger.

I can see in this rule the source of confusion, and will work here to get clarifications made before the 1999 Field Day rules are published. Hope this clears your question. If I can provide any further information, please feel free to contact me.

73

Dan Henderson, N1ND  
Contest Branch Manager, ARRL

Subject: Re: Field Day query  
Date: Fri, 30 Oct 1998 10:33:56 -0800  
From: Roy Lewallen <w7el@teleport.com>  
Organization: EZNEC Antenna Analysis Software  
To: "Henderson, Dan N1ND" <DHenderson@arrl.org>

Dan,

Thank you very much for the clarification. How would one go about lobbying for a rule change?

May I have your permission to post our correspondence?

Thanks,  
Roy Lewallen, W7EL

Subject: RE: Field Day query  
Date: Fri, 30 Oct 1998 13:38:14 -0500  
From: "Henderson, Dan N1ND" <DHenderson@arrl.org>  
To: 'Roy Lewallen' <w7el@teleport.com>

Hi Roy. Since this is simply a clarification, you may post my response.

Any Rules changes for contests must start in with the Contest Advisory Committee, whose chairman is K3LR Tim Duffy. Tim can be reached at tduffy@sygnet.com

I would suggest you be specific in your proposed rule change and provide your rationale and such in your proposal to Tim. Once the CAC has acted on a proposed change, their recommendation is passed on to the Membership Services Committee for final action.

I hope this helps and good luck.

73

Dan Henderson, N1ND  
Contest Branch Manager, ARRL

Subject: Proposed Field Day rule change  
Date: Fri, 30 Oct 1998 18:49:56 -0800  
From: Roy Lewallen <w7el@teleport.com>  
Organization: EZNEC Antenna Analysis Software  
To: tduffy@sygnet.com  
CC: nm7n@arrl.org

Tim,

I'd like to lobby for a Field Day rule change. The rule in question is 6.7 (see May 1998 QST, p. 108), which prohibits charging batteries when in use except in Class C (mobile) stations.

This rule makes the practical use of solar or alternate power sources

(which are encouraged by rule 7.4.6) very difficult, and requires unconventional solar panel or alternate power source sizing and connection. Without the ability to float a battery across a solar panel, the panel has to be sized to provide the peak transmitter current rather than the average current, additional voltage regulation is required, and there's no protection against clouds or shadows. A floating battery is used with virtually all commercial and amateur solar panel systems. Floating a battery across a generator also has advantages: it reduces the required generator capacity, and provides protection against generator failure and transients.

A primary purpose of Field Day is to give amateurs practice in providing emergency communications. It doesn't make sense to force a Field Day station to use methods which are inferior to ones which would be used in an actual emergency. I can't see any way in which the modification of rule 6.7 would go against the purpose or spirit of Field Day in any way. On the contrary, it would enable people to use equipment and connections which would be more useful in an actual emergency.

I propose that Rule 6.7 be reworded as follows:

6.7. For all classes except Class D, batteries charged during the Field Day period must be charged from a power source independent of the commercial mains.

The exception for Class D (home stations, commercial power), rather than Class C, is intentional. The reworded rule removes all prohibitions on charging or "floating" batteries during use except from commercial mains.

Thanks for your consideration. Below is my correspondence with Dan Henderson.

73,  
Roy Lewallen, W7EL

w7el@teleport.com  
503-646-2885

-----  
Date: Sun, 01 Nov 1998 19:59:00 -0600  
From: Goemans <jgoemans@facstaff.wisc.edu>  
To: qrp-l@lehigh.edu  
Subject: [23814] Official PORTA-ZOMBIE SHUFFLE Results!!!  
Message-ID: <199811020056.SAA15504@mail11.doit.wisc.edu>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

-----  
-----  
>>>OFFICIAL ZOMBIE SHUFFLE SCORE SHEET  
>>>  
>>> 1) \_11\_\_\_\_ Number of stations worked (not really used for anything!)  
>>>  
>>> 2) \_3679\_\_ Sum of Zombie numbers (add up ALL Zombie numbers worked)  
>>> ADD CAREFULLY. This could be a big number.  
>>>  
>>>BONUS POINTS:  
>>>  
>>> 3) \_666\_\_\_ Add 666 points if you're also a warewolf  
>>>  
>>> 4) \_\_\_\_\_ Add 666 points if you worked more than 13 stations  
>>>  
>>> 5) \_666\_\_\_ Add 666 points if you worked 3 or more prime numbers  
>>>  
>>> 6) \_\_\_\_\_ Add 666 points for each YL/witchesses you worked  
>>>  
>>> 7) \_\_\_\_\_ Add 666 points if you worked an Elvis  
>>>  
>>> 8) \_1998\_\_ Add 666 points for each Grand Zombie worked (Zombie #001-025)  
>>>  
>>> 9) \_\_\_\_\_ Add 666 points if at least one QSO was on 80M  
>>>  
>>>10) \_7009\_\_Add up lines 2 through 9. This is your adjusted gross score.  
>>> >Look up your tax on page 38 and enter on your W-2 line 17 :-)  
>>>  
>>>MULTIPLIERS:  
>>>  
>>>11) \_22019\_ Multiply line 10 by "pi" (3.14) if you're a Zombie (an OM)  
>>>  
>>>12) \_\_\_\_\_ Multiply line 10 by "2-pi" (6.28) if you're a witchess (a YL)  
>>> NOTE: You can use any resolution of pi you wish.  
>>>  
>>>13) \_22019\_\_\_ THIS IS YOUR TOTAL SCORE. (Line 10 times proper multiplier)  
>>> (Took some work to get this to end on line 13!)  
>>>  
>>>  
>>>  
>>>  
>>  
>>  
>> What a blast! I was operating sitting in my car on the top level (2  
floor) of a parking

>>ramp behind the motel my XYL and I were staying at, in downtown  
Minneapolis, Mn.  
>>Hence the /m designation! The 12 floor motel was directly north of my car!  
Tall bldgs  
>>all around! How about bonus pts for bad location? Rig was IC706mk2 at approx  
>>4.5 watts out to a Ten Tec mobile whip on my car trunk.  
>> Made 11 contacts in a bit over 2 hrs; WE6W, N5TW, NA5N, N0UR, N1FN, WA6GER,  
>>N2WG, AB6QR, AD6AY, N2ZHY, and N7MFB. As you can see, did well to the Left  
>>Coast. Nothing to north, remember that 12-story bldg? :- ) Did I mention  
the noise?  
>> The ITU Plenipotentiary Conference was going on 2 blocks from the motel. I  
>>>walked over there to see their W98ITU demonstration ham station setup.  
Very nice,  
>>big room with 3 complete stns set up! Did I mention I worked W98ITU from  
my car?  
>> You are probably wondering why I would go to Minneapolis to work  
Zombies. Well,  
>>a son lives in Mpls, and there was a good hamfest on Saturday I like to go  
to, so  
>>a "lost weekend" with XYL was arranged. We do it every year!  
>>  
>>  
>>  
>>  
>

72, Paul

Paul R Goemans WA9PWP  
1508 Sundt Lane  
Stoughton, Wi. 53589-1069 608-877-4151  
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153 G QRP 9879

-----  
Date: Sun, 1 Nov 1998 18:58:39 -0600  
From: "John Burnley" <burnley-ia@worldnet.att.net>  
To: <IaQRP-L@divis17.ped-gen.uiowa.edu>  
Cc: <qrp-l@lehigh.edu>  
Subject: [23815] What a great day to be a QRPer  
Message-ID: <19981102005846.DEFJ20998@burnley-ppp.phibred.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Today was the Des Moines hamfest and the Iowa QRP  
Club had three tables (one for goodie show-n-tell, one for  
literature, catalogs, newsletters, and the last for member  
swap items). We also had some items for sale from ARCI.



Paul Harden had sent us a copy of his book 'The Electronic Data Book for Homebrewers and QRPers' for a doorprize (again our thanks Paul!). Plus a few of Paul's Zombie badges were rumored to be awaiting new homes. Our club also participated in 'Experts Row' (which provided a central point for anyone to ask questions from representatives of different activities, i.e.. DX, QRP, building, etc.).

Traffic and interest was good during the first hour, and the time came to join 'Experts Row'. I left management of the Iowa QRP display in the capable hands of Larry (WB0RMT) and his son Alex (KC0EBK).

After returning to the Iowa display, I noticed extra copies of 'The Joy of QRP' and the 'History of QRP'. "Hey, Larry", I questioned, "who brought the extra books?". Larry pointed across the table and there stood Ade Weiss (W0RSP) with a grin. Ade had decided on the spur of the moment to drive down from SD to join us in our efforts to spread the good word and had brought a copy of his book 'The Joy of QRP' for us to use as a prize. Now we had two GREAT prizes! Top notch books from great QRPers would soon find their way to new homes!

I had the pleasure of meeting Ade at the Sioux City hamfest earlier this year. Ade presented an excellent forum there and had a table next to ours. It was great to see him again and talk about one of my favorite subjects (QRP!). He even forgave me for putting him on the spot for an interview (over the PA system) by the IAQRP's own Ray Dennis (WD0Q). He is a great sport and really helped us out in promoting low power operations. Thanks again Ade!

Congratulations to W0NKN who won Paul's 'Electronic Data Book'. BTW Paul, the book got a lot of oooh's and ahhhh's from hopeful new owners. Also congratulations to WD0GAT who won Ade's 'Joy of QRP'. Plus there are new certified (badge wearing) Zombies.

It was a fun day with the IAQRP club getting eight new members and spreading the good word!

72/73, John NU0V

IAQRP, NorCal, ARCI, G-QRP, KnightLites, CQC, NWQRP, NEQRP, QCWA, and a primed Zombie

-----

Date: Sun, 1 Nov 1998 19:58:48 -0500  
From: "Tim Cook" <timcook@erinet.com>  
To: "QRP" <qrp-l@lehigh.edu>  
Subject: [23816] 509 w/DD-1 Display  
Message-ID: <000701be05fb\$f3e5b3c0\$e7765acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well, I had several emails wanting to know what I found out about the 509/DD-1 matchup. I did get a note from OHR that said it works with the Argo 515, and also one from a 515 user that is using the DD-1 with his rig. I would say it'll work with the 509 with no problems.....

Now after all that, I am contemplating the purchase of another Ten Tec rig, maybe a Argosy or Corsair, or a Delta II. So.....if you have one of these for sale let me know.

Thanks

Tim

NZ8J

-----  
Date: Sun, 1 Nov 1998 18:06:30 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: qrp-l@lehigh.edu  
Subject: [23817] Elmer 200 & Data Book  
Message-ID: <Pine.SOL.3.91.981101175846.17734A-1000000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Evidently, quite a few are interested in participating in K5FO's Elmer 200 class, as I have received a fair number of emails inquiring about the "Data Book for Homebrewers and QRPers." I made it available for \$18, which INCLUDED postage to US/VE for the Elmer 101, and I will honor that same discounted deal for the Elmer 200. Send to:

Quicksilver Printing  
P.O. Box 757  
Socorro, NM 87801

I go down to the shop often enough to sign all outgoing books, for whatever that is worth.

Sorry for the bandwidth.

72, Paul NA5N

-----  
Date: Sun, 01 Nov 1998 08:05:10 -0800  
From: Lisa Osier <osier@northnet.org>  
To: qrp-l@lehigh.EDU  
Cc: osier@northnet.org  
Subject: [23818] measuring power - ssb.....George N2JNZ  
Message-ID: <363C86B6.F09@northnet.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello All!!!

Many tnx fer all yer help on the measuring of ssb power on qrp!!!!  
Came to the answer of 2 watts out on 10 meters for my Argo 509.  
Have worked 10 countries since Friday....Ten is back!!!!!!

RIG: TEN TEC ARGO 509  
ANT: CUSHCRAFT 10 MTR RINGO UP 20 FT

Glad to see 10 back ...worked and confirmed 191 as N/T last cycle using a  
Uniden 2510 and Ringo.....hope for same as REAL qrp!!!!!!

Many thanks agn all !!!!!

GEORGE OSIER N2JNZ

-----  
Date: Thu, 29 Oct 1998 15:48:16 -0500  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [23819] Wire/Rope/Trees Antennas  
Message-ID: <19981101.201426.-158839.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

High Gang:

well about to experment again... rught now I have a two element yagi up  
for forty meters...  
used the formula  
     $468 / \text{freq} = \text{driven element}$   
    multiplied the driven element by ,94 to get the director length...  
(that's 6%shorter than the driven element.)  
    Used two 15ft. wood closet dowels to hold the ends of the ant... dowels  
about 1 1/2 in diameter...  
    Spaced the elements 14ft. (.1 wavelength)

What I think I will do now is put up a half square with a quarter wave  
stub in the middle of the phasing line to make the ant "end fire" and  
point it in the same direction as the two element yagi... should be  
interesting to see how they compare... heights will be equal...

Be pretty  
Joel, in maine, thinking bi-directional....

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 1 Nov 1998 19:18:24 -0600  
From: "Joe S" <joe@quadj.com>  
To: <pharden@aoc.nrao.edu>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [23820] Re: The Amazing and Wonderful FCC...My Friend  
Message-ID: <033601be05fe\$b0ff3560\$6f796e80@joes>  
MIME-Version: 1.0  
Content-Type: text/plain;  
    charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Yes , I agree!

72/3 Joe KK5NA

-----Original Message-----  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Sunday, November 01, 1998 4:11 PM  
Subject: Re: The Amazing and Wonderful FCC...My Friend

>  
>  
>On Sun, 1 Nov 1998, N H wrote:  
>> Yesterday, my new license arrived in the mail.  
>>  
>> 72 NA5NA nat  
>       ^^^^  
>  
>And a nice call, too :-)  
>  
>72, Paul NA5N  
>  
>

-----  
Date: Sun, 01 Nov 1998 20:24:21  
From: "K. Babcock" <casey@mufn.org>  
To: Paul Harden <na5n@rt66.com>  
Cc: qrp-1@Lehigh.EDU  
Subject: [23821] zombie log  
Message-ID: <3.0.5.16.19981101202421.53e73fc6@mufn.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Not first place, but not last either. Glad to hear I wasn't the only one with that bizarre QRN. What a bunch of fun!!

-----  
OFFICIAL ZOMBIE SHUFFLE SCORE SHEET

- 1) \_\_\_8\_\_\_ Number of stations worked (not really used for anything!)
- 2) \_\_\_\_2563\_\_\_ Sum of Zombie numbers (add up ALL Zombie numbers worked)  
ADD CAREFULLY. This could be a big number.

BONUS POINTS:

- 3) \_\_\_\_666\_\_\_ Add 666 points if you're also a warewolf
- 4) \_\_\_\_\_ Add 666 points if you worked more than 13 stations
- 5) \_\_\_\_\_ Add 666 points if you worked 3 or more prime numbers
- 6) \_\_\_\_\_ Add 666 points for each YL/witchesses you worked

- 7) \_\_\_\_\_ Add 666 points if you worked an Elvis
- 8) \_\_\_\_\_ Add 666 points for each Grand Zombie worked (Zombie #001-025)
- 9) \_\_\_666\_\_\_ Add 666 points if at least one QSO was on 80M
- 10) \_\_\_3895\_\_\_ >Add up lines 2 through 9. This is your adjusted gross score.  
>Look up your tax on page 38 and enter on your W-2 line 17 :-)

MULTIPLIERS:

- 11) \_\_\_12236.5\_\_\_ Multiply line 10 by "pi" (3.14) if you're a Zombie (an OM)
- 12) \_\_\_\_\_ Multiply line 10 by "2-pi" (6.28) if you're a witchess (a YL)  
NOTE: You can use any resolution of pi you wish.
- 13) \_\_\_12236.5\_\_\_ THIS IS YOUR TOTAL SCORE. (Line 10 times proper multiplier)  
(Took some work to get this to end on line 13!)

NAME: \_\_Kent Babcock\_\_ CALL: \_N8WVD\_\_ ZOMBIE # \_\_525\_\_\_

QTH: Arcadia, MI

40m-

SAM 273 AE4GX  
TOM 512 N5TW  
BRUCE 272 VE5RC  
JIM 523 KG0PP  
BILL 265 N2WG  
FLOYD 200 NQ7X

80M-

KEN VE3CA (705, AREA CODE)  
NICK WZ2Y 518

-----

SUBMITTING LOGS: Submit a list of Zombies worked by first name and Zombie number and above SCORE SHEET (or equivalent) via email or regular mail.

Kent Babcock, N8WVD Arcadia, MI QRP-L #1605

-----  
Date: Sun, 01 Nov 1998 20:48:14 EST  
From: we6w@juno.com (Ed Loranger)  
To: qrp-1@lehigh.edu  
Subject: [23822] PROTO 1 done! <Resonant Speaker>  
Message-ID: <19981101.174832.4759.0.we6w@juno.com>

Folks, I have "Resounding Successful" news to report!!

The 4th convolution of my Resonant speaker has True Bandpass response and has earned the title of "PROTO 1" Yes, it is that good!

After evaluating chamber volumes (3 of them), I have properly tuned the rear and two forward chambers. This puppy is amazing and not just a marginal improvement over the closed-end or Open ended designs tossed around.

I have worked dilligently over the last, well, what day is it anyway??? <hi!>

I would not stop until I heard extremely good attenuation of the Higher frequency signals. One of the troubles with standard resonant speakers is that they (standard Res. spkr) accentuate the pipe frequency, but also channel the higher frequencies too, instead of enhancing the center freq. and attenuating out-of-band freqs.

Low freq's aren't too much a problem due to natural speaker roll-off anyway, but these 2 inch and 3 inch speakers are pretty efficient in the mid-band and this has been my nemesis.

But no more!

Although fairly easy to build (I pressurized a chamber by soldering PC board together for enclosure) it is not yet what I consider to be an easily constructed project. But it is by NO means difficult.

Unfortunately, changes in pipe diameters etc, you might use that are different than mine will result in mathematical recalculation of volumes/lengths, etc.

So mark me down at about 50% completed. Still need to

improve rear-vibration efficiency and model with various  
2 and 3 inch speakers so as to prove the design to be  
somewhat impervious to speaker parameter variations.

I just know no-one will drive me to the Norcal meeting  
next Sunday, but I sure would like to demo this baby.

Heck, I could sell this thing it works so well! Hmmmmmm

Now for a shower -- gotta change the oil in the hair :)  
And then there's all these PVC pipe shavings, duct tape  
balled up in my socks, acoustic foam pieces in my shirt etc.

OH. BTW, I even modeled/measured a Mickey's beer bottle. Depending  
on the length of the coupling tube I get the following results:

Length of neck tube

1.1"	Freq(resonant)=629 Hz.
2	466
3	381
4	330
5	295
6	269
7	249

So, too bad it is so low, the mouth of that Mickey's tapes  
up real well to 1.2 Inch I.D. PVC pipe!

So everyone Hang on a little longer. I'm pretty sure I can  
remove the 3rd chamber but It might be useful for future  
variable bandwidth mods.... My next step will involve  
integrated channel construction using Labryinth construction.

Oh, and did you know the speed of sound in aluminum pipe  
walls is approx 16,900 feet per second??? Ring frequency  
equals  $16,900 / (\pi \times D)$

I wonder how I can apply that :)  
-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>  
Enjoying Ham Radio every day! Santa Rosa, CA.

---

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or call Juno at (800) 654-JUNO [654-5866]

---



Date: Sun, 01 Nov 1998 20:50:57  
From: "Gary M. - W2UX" <MAIL4GARY@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [23823] Can OMNI V go down to QRP??  
Message-ID: <3.0.5.16.19981101205057.3ae78044@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello Gang,

Can the OMNI V be modified to go down to QRP??

Thanks  
Gary

=====  
72/73  
Gary - W2UX  
Lexington, SC  
CW is the REAL Thing!!  
Use it or Lose it.  
=====

-----  
  
Date: Sun, 1 Nov 1998 21:00:48 -0500 (EST)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [23824] FOX: Leader Board  
Message-ID: <Pine.OSF.3.95.981031010753.1240A-1000000@vela.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

As promised, here is the periodic Foxhunt Leader Board! We have completed 8 foxhunts, are you having fun yet?

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics  
<<http://www.acs.oakland.edu/~prvalko>>

\*\*\*\*\*

1998/1999 QRP-L Foxhunt Leader Board  
8 Foxhunts Completed

\*\*\*\*\*

At the top of the chart, with all EIGHT Fox worked...

KB0PTE K5ZTY N1FN N1TP

Tied for second with Seven Pelts...

AF5Z AK7Y N4ROA NQ7X NU4N VE5RC W0CH W5TFB

Six successful foxhunts for the following hounds...

K0EVZ K1MG K5OI KK5LD N0AR N5TW W5SB

Fortunate finders of five Foxii...

AB7MY K2VCO K5AAR K8CV KA8OKH KS4L  
KU7Y N5WL W7AQK WE6W WJ7H

Four Fox Found by following...

AB5UA AB7CE AC5II AI4CW K10J K1QM K5JHP K7TQ  
KA4BMK KB7MBI KB9IUA KI0AF KI0II KI7MN N4KZ N8VAR  
VE2KN W5HNS W5JAY W8RU WA5WHN WD8KQY W00Q WS4S WS8D

Three Fox Pelts can be found on the walls of these shacks...

AB8DF AK1P K5UP KB0ROL KD7AEE  
KF4AR KF4KSM KG2LO KK6MC KQ5U  
N0UR N1QQV N2LO N5JI N5LU  
N7XJ N8VZU N9DD NA1XX VE3JC  
VE6EWM W0RW W5USJ W8KC W8SFF  
WB5QYT

Two catches for the following hounds...

AB7TT AE2T AE4IC K4JPN K5ID K5LN  
K5ON K8DD KA1AXY KC1FB KE6ZX KF2PH  
KI0G KJ3V KU4AF N2BRT N2TO N2WF  
N2ZHY N3XRV N3YSI N4JS N4XDW N5JKY

N7MFB NC7X VE3ELA VE6NJK VE7CQK W0RSP  
W2UX W4VCT W9UQB WA6NAE WA8GHZ WA9PWP  
WW5XX

One Fox Pelt to each of these hearty hams...

AA0ZZ AA5TA AB0CD AB5WX AB7DU AC5K K0YO  
K2SJB K3AS K4PYM K5EYE K5FO K5GQ/M K5JSP  
K5LD K5VUU K6VNX K8IQY KA3WMJ KA4JMZ KA5BMK  
KB0YTK KB2PQY KC0EGC KD5CMN KE7ZX KG0PP KG7PV  
KK4LN KK7GG KL7IXI KS4V KU4UX N0TU N1OCJ  
N1ODL N2APB N2CQ N2CX N2LY N5LB N6WG  
N7KT N7RR N7XJW N8KW NA3V NC7W N0UR  
NQ7Y NR3Z NS4L NU4AN NZ8J VE3SP VE5VA  
W0AW W0YSE W2VCO W3NR W4DEC W4JPK W4VC  
W4VCA W5FN W5TB W5TBT W7UQ W8RO WA8GHD  
WA8MCQ WA9WFA WB5QTY WB8RCR WB9HFK WB9LKC WF4I  
WV3J WW7Y

-----  
Date: Sun, 1 Nov 1998 18:00:26 -0800 (PST)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: mikemo@ibm.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23825] Re: Dan Tayloe's phasing mixer  
Message-ID: <Pine.LNX.3.96.981101175945.25757B-100000@amethyst.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 1 Nov 1998 mikemo@ibm.net wrote:

> The highest freq of the HW-8 vfo is 21.250, times 4 is 85MHz. Too high  
> for the PLL solution?

No, not at all. You just need a sufficiently high speed divide-by-n  
feedback counter. :)

=====  
KC5TJA/6 | -| TEAM DOLPHIN |-  
DM13 | Samuel A. Falvo II  
QRP-L #1447 | <http://www.dolphin.openprojects.net>  
Oceanside, CA | .....  
-----

Date: Sun, 1 Nov 1998 18:02:24 -0800 (PST)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: John Levreault <jlevro@mediaone.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23826] Re: Dan Tayloe's phasing mixer  
Message-ID: <Pine.LNX.3.96.981101180158.25757C-100000@amethyst.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 1 Nov 1998, John Levreault wrote:

> For most applications, LOCO and a crystal can replace an oscillator, saving  
space and

LOCO? Can you expand this acronym please? Thanks. :)

```
=====
      KC5TJA/6      |      -| TEAM DOLPHIN |-
      DM13          |      Samuel A. Falvo II
      QRP-L #1447   |      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

-----

Date: Sun, 1 Nov 1998 20:22:39 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [23827] Zombie Shuffle  
Message-ID: <Pine.LNX.3.95.981101201559.20028B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...well it was a great way to spend 3 hours and I'm looking forward to the  
next one...I experienced the same wide-band noise...strange acting  
signals...now you hear 'em, now you don't....the one contact that was a  
real knock down drag out was with Dan, N4ROA...but we did it didn't we  
Dan?...I worked 11 stations and they were: W9SUL Z#149, VE6EWM Z#514, W0QF  
Z#536, K7TQ Z#110, N4ROA Z#40, WA5HNS Z#21, N7MFB Z#539, N5TW Z#512, NQ7X  
Z#200, AK7Y Z#500 and N8WVD Z#525...thanks a million for a fun evening  
Paul and all the participants!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683  
"QRP! How sweet it is!"

-----

Date: Sun, 1 Nov 1998 18:32:38 -0800  
From: "Frank Grigaliunas" <fgrig@iea.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [23828] 11-2-10 project  
Message-ID: <199811020233.SAA00909@comtch.iea.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I just got back from Wally World with my Maxon MCB-30. I hooked it up to the dipole and tuned the antenna as best I could. I turned it on to see what the local CB scene was like.

Geez! I'll be glad to get this thing converted to 10 meters. I've never met up with such a bunch of ill-mannered, foul-mouthed louts in my life, and I work with criminals awaiting trial!

Mebbe it's best to put it back in the box until Steve gets the conversion boards shipped.

--Frank, AB7YT

Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201  
fgrig@iea.com --\*-- (509) 326-7147 --\*-- <http://www.iea.com/~fgrig/>  
"The Internet doesn't annoy people. People annoy people"

-----  
Date: Sun, 1 Nov 1998 20:37:42 -0600  
From: k5ubs@juno.com (Oscar A Hoyt)  
To: qrp-1@Lehigh.EDU  
Subject: [23829] NA5NA  
Message-ID: <19981101.203743.7086.0.k5ubs@juno.com>

yep good call, reminds me on station we sent msgs to while flying radar patrol, NAX5 (N & A run together = X, weird)  
Oscar K5UBS Ham since 55

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 1 Nov 1998 20:05:23 -0500

From: nilsbull@juno.com (Nils R Young)  
To: QRP-L@lehigh.edu  
Subject: [23830] The old DX hegemony &c  
Message-ID: <19981101.200533.4070.1.nilsbull@juno.com>

Yoldashlar!

Weird. I just had a QSO on 20m. First 20m Q in many, many years. I used to run 20m all the time, back before WARC & when I felt like fighting with it. Mostly wire antennas. Had a beam once, home made, but it's sittin' next to the garage. When or if I resurrect it, I think I'll leave 20m off & fix it up for 10, 15 & 17. That way I won't have one element over 30 ft long.

Anyway, the Q: I heard polar flutter signals & thought that it'd be nicer if it weren't cloudy. But then I started listening around. Heard EX8QB. He was not getting much attention. So I called him. On the TR7. With the big hootie power going into the piece of wire antenna. He gave me a 539. I gave him 559. The guy's name was Victor. Like how many turkic people you know have names like Victor? With a Italian QSL manager?

So we did the "559 tnx gl gud dx dsw" bit. But I threwv in "xosh," which is Kyrghyz for "have a nice day."

He signs off with DSW. "Do v strepi v eferi" I think it is. "See ya on the air." Guess he wasn't Muslim. Or Kyrghyz, for that matter.

The old hegemony remains entrenched.

73  
Nils

-----  
-----  
Nils R. Bull Young  
La Estancia de los Guajolotes Sonrientes: The Grinnin' Turkey Ranch  
WB8IJN &c :: The Tagalong Press :: email to nilsbull@juno.com  
<http://www.geocities.com/Athens/Olympus/9172>

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]  
-----

Date: Sun, 1 Nov 1998 19:47:47 +0000  
From: "Mabel and Don Adams" <adamsdm@lewiston.com>  
To: qrp-l@Lehigh.EDU

Subject: [23831] amateur radio  
Message-ID: <199811020250.SAA02803@mail-gw.fsr.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

I just finished reading Monte Stark's last editorial in the QRP Quarterly and noted its similarity to a number of other letters and editorials I have seen in other amateur radio publications.

I am relatively new to amateur radio, having been first licensed in the early 90's. I feel as though I am being repeatedly told that since I did not get my license in the 50's or 60's I really don't know anything. The "dumbing down of ham radio" seems to have occurred since then.

Having studied hard to progress from novice to advanced, I keep wondering how hard it was before the "dumbing down" occurred. I have to admit though, I studied for knowledge, not just to know the questions well enough to pass.

There seems to be a great deal of longing for the good old days of amateur radio, which is human nature. It is probably a good idea though, not to let this cloud your judgment. Times change. Some changes are good, some not so good. Amateur radio needs to adapt.

Right now I do not know where amateur radio should be headed, but it won't reach decent and beneficial goals without good communication of ideas and compromise.

To tell you the truth, after reading editorials and letters similar to Mr. Starks, I am not sure I want to be a part of the future of amateur radio.

It is time for me think about this, perhaps you should to.

Don Adams  
adamsdm@lewiston.com  
KJ7NJ ?

-----  
Date: Sun, 1 Nov 1998 18:51:42 -0800  
From: talljazz@teleport.com (Dan Presley)  
To: NA5N@Rt66.com  
Cc: qrp-l@LeHigh.edu  
Subject: [23832] Elvis Zombie log  
Message-ID: <v0153050bb262b4079caa@[204.202.173.221]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

-----  
Here 'tis from the ol'king hisself. Lest any of you doubt me,I'll have you know that my grandpappy is an ol'Memphis boy, and the family middle name is Aaron. Now for next year, I'll throw in some artifacts from the Church of Elvis (right here in Portland) to the winners.Maybe we could dredge up a nice black velvet painting as well.

#### OFFICIAL ZOMBIE SHUFFLE SCORE SHEET

- 1) 9- Number of stations worked (not really used for anything!)
- 2) 2,623 Sum of Zombie numbers (add up ALL Zombie numbers worked)  
ADD CAREFULLY. This could be a big number.

#### BONUS POINTS:

- 3) 666- Add 666 points if you're also a warewolf
- 4) 0 Add 666 points if you worked more than 13 stations
- 5) 666- Add 666 points if you worked 3 or more prime numbers
- 6) 0-Add 666 points for each YL/witchesses you worked
- 7) 0- Add 666 points if you worked an Elvis
- 8) 1332--Add 666 points for each Grand Zombie worked (Zombie #001-025)
- 9) 0- Add 666 points if at least one QSO was on 80M
- 10) 5287-- >Add up lines 2 through 9. This is your adjusted gross score.  
>Look up your tax on page 38 and enter on your W-2 line 17 :-)

#### MULTIPLIERS:

- 11) 16,601 Multiply line 10 by "pi" (3.14) if you're a Zombie (an OM)
- 12) \_\_\_\_\_ Multiply line 10 by "2-pi" (6.28) if you're a witchess (a YL)  
NOTE: You can use any resolution of pi you wish.
- 13) 16,601 THIS IS YOUR TOTAL SCORE. (Line 10 times proper multiplier)  
(Took some work to get this to end on line 13!)

NAME: Dan "Elvis" Presley CALL: N7CQR ZOMBIE # 517

QTH: Portland, Or



Log: All 40M

VE6EWM	0054UTC	Bruce	#514
N7MFB	01:28	Bill	#539
KU7Y	01:31	Ron	#018
N6WG	01:32	Bob	#419
AC7Y	01:39	Greg	#509
NQ7X	03:42	Floyd	#200
WB5QYT	03:44	Tom	#205
AB5OU	03:46	Tim	#196
AB7TT	03:53	Joe	#23

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Date: Sun, 01 Nov 1998 21:52:33 -0500  
From: Steve <smann@advi.net>  
To: timcook@erinet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23833] Re: 509 w/DD-1 Display  
Message-ID: <363D1E71.6834@advi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Tim Cook wrote:

>  
> Well, I had several emails wanting to know what I found out about the  
> 509/DD-1 matchup. I did get a note from OHR that said it works with the Argo  
> 515, and also one from a 515 user that is using the DD-1 with his rig. I  
> would say it'll work with the 509 with no problems.....  
>

I'd be concerned about this.

The 515 uses a single vfo range (5.0 - 5.5 MHz per the manual) and

hetrodynes to get the five bands. It is thus similar to the early OMNIs. They all have 9MHz IFs.

The 505 and 509 use a vfo that operates on a different frequency on each band:

80 meters: 6.250-6.500 and multiplied X2 to 12.5-13.0 for mixer injection

40 meters: 5.333-5.500 and multiplied X3 to 16.0-16.5 for mixer injection

20 meters: 5.000-5.500 with no multiplication for mixer injection

15 meters: 6.000-6.250 and multiplied X2 to 12.0-12.5 for mixer injection

10 meters: 6.333-7.000 and multiplied X3 to 19.0-21.0 for mixer injection.

The range on 10 meters allows full 10 meter coverage but means that the dial skirt which represents 1 kHz on the lower 4 bands now represents 4 kHz on 10 meters.

I'm not familiar with the DD-1 but unless it can compensate for these various ranges of mixer injection frequencies, it probably wouldn't work for the 505 and 509.

Steve, N4EY

-----  
Date: Sun, 1 Nov 1998 21:56:16 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>  
To: Michael Melland <badger@vbe.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23834] Re: BEAM - RE:Ideas for 300 ohm Twinlead  
Message-ID: <Pine.GS0.3.96.981101215222.13499E-100000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

But not nearly up to the estimates of gain and F-B. Actually, modeling this antenna showed only a little hgain over a dipole (about 2 dB or so) and this only over a narrow bandwidth--and getting the dimensions just right was tricky--and perhaps more so in reality than in the model.

A better design using 300-Ohm twinlead in a phased array is W7EL's field Day Special--a version of the ZL Special. You can find the info at Roy's web site, which is linked from the NEC Sources article at my own website.

LB, W4RNL

L. B. Cebik, W4RNL            /\    /\       \*    /   /   /       (Off) (423) 974-7215  
1434 High Mesa Drive        /    \/    \/       ----/\----       (Hm) (423) 938-6335  
Knoxville, Tennessee       /\    \    \ \       /   /   ||   /       (FAX) (423) 974-3509  
37938-4443        USA       /    \    \ \       ||                        cebik@utk.edu  
                  URL:    <http://web.utk.edu/~cebik/radio.html>

-----  
Date: Sun, 1 Nov 1998 22:02:45 -0500 (EST)  
From: "L. B. Cebik" <cebik@utkx.utcc.utk.edu>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23835] Re: VELOCITY FACTOR  
Message-ID: <Pine.GS0.3.96.981101215707.13499F-1000000@larry.cas.utk.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The velocity factor of a transmission line is applicable only when that wire is used as a transmission line. When used as antenna wire, the effective velocity factor is that if an insulated wire, which is in the range of .95-.98, depending on the type of insulation and the thickness. for most purposes, this is in the trimming range.

Since an EDZ is a non-resonant antenna, taking the antenna wire velocity factor into account is an exercise in wasted effort for all cases except where some special matching scheme for coax is planned. However, those schemes usually reduce the antenna to one-band use, where the use of parallel feeders to an ATU allows its use on any band where it is at least 3/8 wl or longer.

-73-

LB, W4RNL

-----  
Date: Sun, 1 Nov 1998 21:45:52 -0600 (CST)  
From: ac5ez@webtv.net (Larry B)  
To: qrp-l@Lehigh.EDU  
Subject: [23836] question

Message-ID: <22386-363D2AF0-3884@mailtod-121.bryant.webtv.net>  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)  
Content-Transfer-Encoding: 7Bit

Time for a dumb question. What is a metric call? Is this a vanity call?  
K1zw

-----  
Date: Sun, 01 Nov 1998 21:15:32 -0700  
From: Andy Fox <foxes@theriver.com>  
To: ki6ds@dpol.k12.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23837] Re: Proposed Change in FD Rules  
Message-ID: <363D31E4.A144E387@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello,

OK, I confess. I, too, have left my solar panel connected to the battery while transmitting. I thought I was following the rules, but can see now that I wasn't. Ignorance is no excuse, though. Might want to move your positions up another notch.

Roy's proposed change to the Field Day rules is reasonable. I will contact the ARRL and ask them to make the change he recommends. I'm sure it's not too soon to be thinking about this, since magazine lead times are typically several months and the rules are published in May.

Andy, KK7HV

-----  
Date: Mon, 02 Nov 1998 04:18:08 -0500  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>  
To: qrp-1@lehigh.edu  
Subject: [23838] What was that? What was that?  
Message-ID: <3.0.16.19981102041756.08879eda@som-uky.campuscw.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

- Submitted for your approval -

Someone or something kept me from getting digest #1262. Was it the great pumpkin punishing me for not operating this weekend? Maybe Linus was right.

Instead of shuffling, I found my work bench, just where I left it last spring... under the garden sprayer, the Teletype manuals, the dead Panabomic TV, the dead senior voltohmmist, the puddle of ooze that poured out of something that I'm sure is dead now, behind the Hardley Ever-Runs that left me a nice puddle from the automatic chain oiler (leaky transmission seal).

After all this, I donned my dew rag, my goggles, and built the Elmer200/handbook probe. And I think it works.

Saturday night the doorbell rang \*twice\*, for a final score of \*eight\* trick-or-treaters. Lots of candy left over.

Today I'm experiencing what John Glenn calls "stomach awareness", yet Phyllis says I'm "looking marvelous today". This is good, right?

There are things in this universe we just do not yet understand.

Vote,  
Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>  
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

-----  
Date: Mon, 02 Nov 1998 11:25:11 -0500  
From: Bob Edwards <w4ed@flash.net>  
To: adamsdm@lewiston.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23839] Re: amateur radio  
Message-ID: <363DDCE7.988AF25F@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

```
>..... I am relatively new to amateur radio.. (congrats, 2nd time for me)
>..... There seems to be a great deal of longing for the good
> old days of amateur radio, which is human nature...
> ...Times change....
> ..... I am not sure I want to be a part of the future of amateur radio.
(Don, forgive the big snips)
```

You are right about change.  
This great hobby is changing quickly.

Also, the QRP contests fit my interests. The big QRO ones don't, and most QRO contests go way back.

— —

```

Bob      72/73
        Z'# 114
http://www.qsl.net/w4ed
W4ED nr Atlanta @EM73wt
...."ORP", more from less....

```

Date: Sun, 01 Nov 1998 21:34:41 -0700  
From: Dick Schneider <rschneid@ix.netcom.com>  
To: nhoop@centuryinter.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23840] Re: The Amazing and Wonderful FCC...My Friend  
Message-ID: <363D3661.B179A0C7@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Well, I shelved my plans for a vanity callsign when my new one showed up.

72 Dick AB0CD..

-----  
Date: Sun, 1 Nov 1998 20:21:42 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: <n5em@flash.net>  
Cc: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [23841] Antenna feed  
Message-ID: <01be0618\$4b65b110\$0100007f@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed

A very simple connection can be made with phone connectors!

Use the female on the antenna feed point and the male on the end of the 300-ohm feedline.

Your feedpoint will be somewhere around 50 ohms, so the spacing inside the connectors won't be a problem. You can tape the 300-ohm line to the top of your mast to support the weight of the TV ribbon.

This is about as minimalist as you can get.

72, Bob N6WG

-----  
Date: Sun, 1 Nov 1998 19:37:10 -0800  
From: "Bob Tellefsen" <n6wg@earthlink.net>  
To: "Alan Ardujenski KB7MBI" <ARDUJENSKI@aol.com>  
Cc: "QRP-L List" <qrp-l@Lehigh.EDU>  
Subject: [23842] Re: Shunt feed  
Message-ID: <01be0612\$12bae9d0\$0100007f@ham.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Alan

This scheme is commonly used in mobile antennas, and introduces very little loss of its own. One is assuming here that the vertical's feedpoint impedance is less than 50 ohms.

Use a shunt cap across the feed point to ground. This is the input cap of an L network that will step down from 50 ohms to whatever your vertical feedpoint happens to be. Now, add a small amount of inductance to the center loading coil of the vertical, assuming you are using less than full-length elements. What we have just done is moved the L network inductor up from the bottom of the vertical and incorporated it into the larger L in the center of the element. If you are using full-length vertical elements, you might as well leave the L network inductor at the base of the vertical.

Now you adjust the L and C until you have a perfect match. You could make the C a variable initially, to help in zeroing in on the desired value, then replace it with a fixed cap when done. Incidentally, since the cap will be at a high current point of the vertical, it is better to parallel a group of caps to get the right value. This spreads the current through a number of caps, and avoids damage and changes of value.

Any of the antenna measuring units--MFJ, Autek or anything else--will help with this.

72, Bob N6WG

-----  
Date: Sun, 1 Nov 1998 23:11:10 -0700 (MST)  
From: Paul Harden <pharden@aoc.nrao.edu>  
To: Mabel and Don Adams <adamsdm@lewiston.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [23843] Re: amateur radio  
Message-ID: <Pine.SOL.3.91.981101223956.22502C-100000@zia>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 1 Nov 1998, Mabel and Don Adams wrote:

> I am relatively new to amateur radio, having been first  
> licensed in the early 90's.

Welcome aboard to ham radio and QRPing.

> I feel as though I am being repeatedly told that since I did not  
> get my license in the 50's or 60's I really don't know anything. The  
> "dumbing down of ham radio" seems to have occurred since then.



You actually make a very good point that many of us, including me at times, makes. Back in the 50's and 60's (got my Novice in 1963), just about everyone who entered ham radio was either doing electronics for a living, or aspiring to be an engineer or something. As a result, many hams were highly educated in electronics ... NOT just the basics required for a ticket, but far beyond that.

TODAY, many people entering the hobby are NOT doing electronics for a living or formally educated in electronics. THAT IS GOOD, by the way. But we tend to compare the overall electronic knowledge level of hams THEN to TODAY. That is wrong, when you're comparing a ham who is also an engineer at Motorola to a ham who's a veterinarian, or high school teacher, or attorney, or sells cigarettes at Circle-K. That is NOT fair.

Helping with a couple of VE sessions and looking at the tests, I truly see about the same level of basic electronic knowledge in today's tests as I did yesterday. I really don't see a dumbing-down in this regard. The difference, is someone who is not in electronics professionally, has to work much harder to learn those basic concepts than someone who has already received some formal electronic training. The guy who had to learn electronics just to get a ham ticket is the one who has my respect. Because he DID have to work for it. No dumbing-down there.

> Having studied hard to progress from novice to advanced,

And you should be proud of that accomplishment.

> To tell you the truth, after reading editorials and letters  
> similar to Mr. Starks, I am not sure I want to be a part  
> of the future of amateur radio.

I don't want to put words into Mr. Starks' mouth, but I don't think he was referring to you, or hams like you. I think he was referring to the MOVEMENT being proposed by many to make ham radio a much easier hobby to get into, and giving away privileges by "showing up" that many of us, INCLUDING YOU, had to work for. Now that would be a dumbing down, in that you would have people operating high powered transmitters in the already congested HF spectrum without the knowledge to ensure proper emissions, or perhaps even the courtesy to avoid intentional interference (a few digital modes come to mind). Learning electronics and the code has always been a good "filter" to ensure those that enter the hobby have a true desire to do so, by working for it, and hopefully in the process instills the responsibility and fraternity that goes with. You remove that "filter" and you probably will see a dumbing down of the average ham.

Regardless of what you do for living, entering the hobby, learning the code, the electronics, and the regulations, which took you from Novice to Advanced is NOT the dumbing down I think Ron was referring to. You are a ham, the same as the rest of us.

> It is time for me think about this, perhaps you should to.

I'm not commenting on these things to start a "dumbing down" thread. I say these things because the whole point of ham radio in the 50's and 60's, and still existing amongst QRPers, is that Elmering to encourage our fellow hams. Perhaps that is why we're nostalgic about those years, but fortunately, it still exists within QRP. We're here to encourage you, Don, and I'm sorry our attitude on occassion might have been interpreted as the opposite.

72, Paul NA5N

-----  
Date: Mon, 2 Nov 1998 01:15:50 -0500  
From: notajock@juno.com  
To: qrp-l@lehigh.edu  
Subject: [23844] Pacificon Proceedings et al  
Message-ID: <19981102.011551.-171781.0.notajock@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I just found this reflector and signed on. And my e-mails went up about 100 a day.

I just moved into a geriatric aluminum ghetto and hurricane magnet and don't have any rigs on the air yet. So I was pleasantly surprised to see the posting by Bob, AF5Z, with parts list for the 3 transistor 6M ssb xcvr. I got the info from JF10ZL's web site but now I think I need the info in the proceedings. So could some kind soul out there scan the proper pages to me at <dragonfly@iline.com>.

Failing that, does Norcal have a website with the proceedings on it?

Bob WA9LSD

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 02 Nov 1998 01:30:36 -0500  
From: Erv <kb8tnq@voyager.net>  
To: adamsdm@lewiston.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23845] Re: amateur radio  
Message-ID: <363D518C.C9653FA8@voyager.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Don Adams wrote:

> I am not sure I want to be a part of the future of amateur radio. It  
> is time for me think about this, perhaps you should to.  
> Don Adams  
> adamsdm@lewiston.com  
> KJ7NJ ?

Don:

I agreed wholeheartedly with you, right up to the point where you considered ending your affiliation with Amateur Radio. This hobby, in the four years I've been associated with it, has given me the best of two ends....the good AND the bad. That being said, I've taken a step back, reconsidered my ties to the hobby and decided that AMATEUR RADIO HAS A FUTURE WITH ME INVOLVED IN IT!

If you find some bad attitudes out there, that's OK, it's normal. You'll find good and bad in all things, but YOUR attitude can make the difference. You can be the ONE person that turns the tide in your area....all you have to do is be willing to stand your ground, in spite of the opposition. And, so you'll know where I am coming from a bit further, we have had the SAME attitudes here in our club, but we're making strides to change that and those attitudes are slipping to the rear.

You couldn't have posted to a better group, Don. The QRP-L'ers are some of the best of our hobby, because they KNOW how to overcome a bleak situation. Believe me, when you have to break into a pileup with 5 watts or less, ya gotta know your stuff! (hi) I think you'll find that, by and large, your responses will be good from the group. I've met many of them (in passing at Dayton this Spring) and I can't wait to upgrade so I can join em.

Enjoy all this hobby has to offer, Don.....you'll be sorry if you walk out now. There is TOO much coming on the technological horizon and you'll regret not meeting some of these guys! REALLY....they're a nutty bunch.

Stop into my Dayton page and you can see some of em....

<http://www.qsl.net/kb8tnq/dayton.html>

7-3,  
Erv  
President, CMARC  
Public Information Coordinator, MI Sec., ARRL  
QRP-L #9702 (since May, 98)

-----  
Date: Sun, 1 Nov 1998 22:58:18 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [23846] Jim Kortge's Rig is Reproducible  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Preston Douglas has successfully built a copy of Jim Kortge's 2N2222 rig that won the Dayton NorCal 2N2222 Building Contest. This is very exciting news, as it is one thing for a designer to build a rig, quite another for someone else to reproduce it from the design.

Jim and Paul Harden, NA5N are working together on the construction article which will appear in the Winter issue of QRPp. I have seen the drawings that Paul has done, and they are works of art. They are better than photographs, as you will see when the issue comes out. Jim's design is a classic, as Preston can attest. This rig is NOT at toy rig, but a very fine ham radio transceiver. The building style is unique in that it does not use a printed circuit

board, but uses PC board for a substrata, and uses pads that are glued onto the board and act as tie points for the components. I have built a receiver using this technique and it is very "doable".

Preston started on his rig this summer and did not have the benefit of Paul's drawings, but did have the schematic and the internet to ask Jim questions. It was a remarkable effort, and he is to be commended for it. It is very exciting for Jim, Paul and I to know that Jim's rig has been built by someone who is not a radio designer, but a builder with average experience. Preston is "one of the guys", an attorney by profession, but who enjoys very much building and working with qrp rigs.

Jim is working on the article, Paul the drawings, and I am cheering from the sideline. It will all appear in the Winter issue of QRPp. If you hear Jim or Preston on 40 meters, give them a call and listen to the quality of the signal that their radios have. I am quite excited about this rig, and know that you will enjoy the article when it comes out. 72, Doug, KI6DS

-----

Date: Mon, 2 Nov 1998 00:20:20 -0800  
From: "Bill Todd" <bill@willapabay.org>  
To: <prvalko@oakland.edu>  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [23847] Re: Leader Board  
Message-ID: <003601be0639\$dc4eb200\$264ffbce@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Golly Paul -

Thanks for the periodic run down on my fellow QRP friends, including the data on how many FOXes they have bagged so far.

I don't believe that most of us on the QRP-L realize how much work it must take you to create this Leader Board list - not to mention all the time it

takes you to manually type in all the calls under each heading.

Thanks for your efforts!

Bill-N7MFB

(holder of two pelts - gonna have to tan the little buggers one of these days)

<http://www.willapabay.org/~bill>

ICQ me @ 8926298

-----  
Date: Mon, 02 Nov 1998 06:57:12 -0500  
From: Tom Bowman <[tbowman@nbn.net](mailto:tbowman@nbn.net)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [23848] Nicads, cheap  
Message-ID: <3.0.5.32.19981102065712.007e9b80@nbn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

The local Wal-Mart has several packs of Nicads designed as replacements for cordless phones. Cost was \$1 a pack on their clearance rack located in the computer/electronics section.

The packs are made by Sanyo. The four-cell pack is 4.8 vdc at 700mAh and the five cell pack is 6 vdc at 650mAh.

Nice shrink wrap packs with black and red leads and a connector, they look like they will easilly fit inside QRP rigs .

Tom

-----  
<>< Tom Bowman, WA3REY, Mount Gretna, PA 17064

[tbowman@mt-gretna.com](mailto:tbowman@mt-gretna.com)

<http://www.mt-gretna.com>

-----  
Date: Mon, 2 Nov 1998 08:09:40 -0500  
From: "Doyle, Ronald D" <[RD130947@exchange.DAYTONOH.NCR.com](mailto:RD130947@exchange.DAYTONOH.NCR.com)>

To: QRP News group <qrp-1@Lehigh.EDU>  
Subject: [23849] Zombie Shuffle: Event report  
Message-ID: <29D7D950A854D21184DA00E029265867173EC3@SUSDAYTE53>  
MIME-Version: 1.0  
Content-Type: text/plain

Well, that was some experience. I chose to start at about 7:00pm est after a very hectic afternoon. I thought I was doing pretty good and by 8:00pm I had 7 contacts. OK, I wasn't burning the either up but I was half way to my goal. I took a family break for about an hour and checked things out at about 9:00pm. The band was extremely noisy. I called cq for 30 minutes without a single response. I thought I heard someone but they weren't strong enough to bust through the noise. I took another family break and checked things about 11:00pm. By now I am getting very sleepy and wondering if I really want to continue. I hear a few sigs so start the zombie shuffle thing and make a couple of contacts, Still pretty sleepy though. Signals were very weak and I think what I was hearing was mostly by telepathy. :) Then I hear Paul, NA5N and I wake right up. After I get him I only have 3 more to hit my goal of 13. I didn't read the score sheet very well or would have tried for 14. As it was I finished up at almost midnight anyway. I nailed a couple more of the Grand Zombie crew before ending. Now I am wide awake and it's midnight. I have to get up early Saturday and am very concerned that I may not get any sleep. I could easily be a real zombie without some much needed sleep. I did catch a few winks but sure would have like more. :)

My score was pretty impressive. If I figured it right I made 157,032,562 points. Much better than the candy I would have gotten if I had gone trick or treating. :)

Hope all had a good time.

72 de Ron, N8VAR  
n8var@juno.com

-----  
Date: Mon, 02 Nov 1998 08:56:48 -0500  
From: John Levreault <jlevro@mediaone.net>  
To: kc5tja@topaz.axisinternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23850] Re: Dan Tayloe's phasing mixer  
Message-ID: <363DBA20.8CF4EF10@mediaone.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

KC5TJA wrote:

> On Sun, 1 Nov 1998 mikemo@ibm.net wrote:  
>  
> > The highest freq of the HW-8 vfo is 21.250, times 4 is 85MHz. Too high  
> > for the PLL solution?  
>  
> No, not at all. You just need a sufficiently high speed divide-by-n  
> feedback counter. :)

FWIW, the ICS501 will accept input clocks up to 50MHz.

73 de nb1i  
John

-----  
Date: Mon, 2 Nov 1998 06:01:18 -0800 (PST)  
From: frank lauri <qrpp@yahoo.com>  
To: prvalko@oakland.edu, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23851] Re: New calls seen on QRP-L  
Message-ID: <19981102140118.14992.rocketmail@send103.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Lets hope paul and nat are not on the same band at the same time  
during the contest!!!! Hi Hi

Frank n2ix Carmel,NY

---"Paul R. Valko" <prvalko@oakland.edu> wrote:  
>  
>  
> On Sun, 1 Nov 1998, Paul Harden wrote:  
>  
> > On Sun, 1 Nov 1998, N H wrote:  
> > > Yesterday, my new license arrived in the mail.  
> > > 72 NA5NA nat  
> >  
> > And a nice call, too :-)  
> > 72, Paul NA5N  
>  
> I was going to say, you know, for a metric call... it wasn't hald bad!



>  
> 73! =paul= W8KC  
> Collector of Ten\*Tecs and other fine plastics  
>  
> <<http://www.acs.oakland.edu/~prvalko>>  
>  
>

---

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

---

Date: Mon, 2 Nov 1998 08:20:48 -0600  
From: ab5uacw@juno.com (Clifton W Sikes)  
To: qrp-1@lehigh.edu  
Subject: [23852] FOX: Bumble Fox.....Take Two  
Message-ID: <19981102.082049.6646.1.ab5uacw@juno.com>

OK, here's the deal. No Pep Talks, and no sermons. I'll just see if I can do a better job, this time.

The rig will be the same OHR 400 @5 w. The RIT will go up 1, and down 1. I will tend to be in the high end of our frequency range ( 7.044-7.050 ). Antennas are Butternut vertical, and Inverted Vee. Time is 0200-0400 Z Nov. 4th Z, that's Tuesday the 3rd, 8-10pm local. See you all there, and I still have Fox QSL's to send to the lucky ones. Don't forget to vote!

72,

Clif AB5UA      Earlsboro, Ok.

---

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Mon, 02 Nov 1998 07:38:02 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: "Richard E. Robinson" <rerobins@email.uncc.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23853] Re: Solar Power?  
Message-ID: <363D615A.73A7EE9B@earthlink.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

For some reason, the solar power page that Mike Bryce has up requires a password. I'll have to find out what the problem is.

Sri for any confusion.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

-----

Date: Mon, 2 Nov 1998 09:53:15 EST  
From: Ab7wy@aol.com  
To: qrp-l@lehigh.EDU  
Subject: [23854] the FCC and qrp kayaking  
Message-ID: <d97c8684.363dc75b@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 98-11-01 16:21:38 EST, you write:

<< A while back I decided I didn't like my new KM5QU call and submitted an on-line form to the FCC with 25 different combinations of N's, A's and T's. Quite a while went by and I finally realized I hadn't submitted the required #159 "Remittance Advice form" OR the \$13.00 remittance itself. As I recall the FCC instructions noted that if the money wasn't properly submitted, they would just ignore the request. AGGGH!

So I start all over again. The 159 form was incomprehensible; "Lockbox #"?, "Payment Type Code"? I gave up in disgust. KM5QU would just have to do.

Yesterday, my new license arrived in the mail. >>

Nat, my story is similar. for those that know, i filed online on Sept 14th for a vanity call too, im not too happy sending AB7WY, i was figuring i would get the new call before the CQ WW CW test. i hit "send" then walked down to the mailbox and sent the check off to the FCC, we got our check back marked cashed on the 21st of Sept...7 days, cool, i made it. ok, now to wait....6 weeks go by and they still havent even processed my application, then i get a fat letter from them telling me that my application has been "dismissed" because they had not recieved the form 159 (which i sent) and the check for \$13 (which i also sent)!! that steamed me to no end, so i sent an email to

commisioner Tristani and im waiting to see what she has to say about all this. this madness has to end sometime!

on to qrp issues, i reluctantly turned down the job in Las Vegas due to the fact that i love the Seattle area and i dont want to move my family again...so my kayak qrp/IOTA trip is back on. i still have the gear that i aquired and a travel partner (still not a ham, but im working on it). we are planning on this coming summer to start hitting the islands in the Puget sound, if anyone needs a particular island, let me know.

well, thats news for now...stay tuned for more posts right here on qrp news...back to you...

73...Adam, AB7WY

-----  
Date: Mon, 02 Nov 1998 09:58:32 -0500  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [23855] Re: ARRL SS Soon  
Message-ID: <363DC898.1E5F@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Vic Rosenthal wrote:

> Monte Stark wrote:

> > This is THE contest where you can work WAS in one shot!

> He's not kidding, folks. This is how I worked WAS QRP: I spent several hours  
> (not a whole lot) on 20, 40, and 80 meters during the SS two years ago. I think  
> I worked all but 3 states, which were easy to pick up later. I used the same  
> 40m dipole at 50' on all bands.

> No, it wasn't 2XQRP, but still was neat. Also I used a bug and it really  
> improved my sending. Go for it!

Amen. Using 5 W, one year I did a WAS in the SS weekend. After that, I got cocky and started using 10 mW! 54 QSOs in 30 sections! (Antenna was an 80 M dipole.) Let's see if we can overwhelm them with Q precedent stations! :-)

72,  
Ed Hare, W1RFI  
ARRL Lab

-----  
Date: Mon, 2 Nov 98 10:35:10 EST  
From: jeverhar@cse.l-3com.com  
To: qrp-l@lehigh.edu  
Cc: njqrp@njqrp.org  
Subject: [23856] Doghouse Operation Sprint  
Message-ID: <9811021535.AA24556@train11.cse.l-3com.com>

OK you goblins NA5N's Zombie Sprint got the contest juices going in preparation for the ARRL Sweepstakes, but watch gonna do after that?  
the LI/NJ QRP clubs have the answer - the  
Doghouse Operation Srpint!

MAY WE HAVE YOUR ATTENTION PLEASE?

Announcing the second running of the LI/NJ QRP Doghouse Operation Sprint, jointly sponsored by the Long Island QRP & New Jersey QRP clubs. Here's a sprint that you can work and still manage to stay out of the doghouse on the Saturday afternoon prior to Thanksgiving. You can play radio, and have plenty of time to mow the lawn, clean the guest room, or do whatever it takes to get the house ready for Thanksgiving.

The basic idea is a fun time on the long Thanksgiving weekend to get on the air and have some QRP fun. It will be held on Saturday Nov. 21 from 1700-2100 UTC. The exchange is a little different, piggybacking on the TAC (Telephone Area Code) event held last year. Y0u simple exchange RST, area code and your first name.

Complete details can be found at:

[http://www.njqrp.org/doghouse/doghouse\\_announce.html](http://www.njqrp.org/doghouse/doghouse_announce.html)

So please mark your calendars and be sure to get on for this fun even. And try extra hard to work us 2-landers in the 40 meter dark hole!

72/73,

Joe E., N2CX

-----  
Date: Mon, 02 Nov 1998 07:50:56 -0700  
From: "Michael Fletcher" <k17ixi@mailcity.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [23857] Re: Pacificon Proceedings et al  
Message-ID: <IAFDPEAEBOJFBAAA@mailcity.com>

Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bob,

You can find the text dialog at: <http://www.fix.net/~jparker/norcal/pac98/pac98update.htm>

Don't hold your breath for any photo coverage this year. My query about Pacificon and NorCal meeting photo coverage, as in the past, was met by silence. You will see past information on last year's Pacificon and some meetings links from the Norcal main page at: <http://www.fix.net/~jparker/norcal/>

72,

Mike KL7IXI/7  
Vancouver, WA

Get your FREE E-mail at <http://mailcity.lycos.com>  
Get your PERSONALIZED START PAGE at <http://personal.lycos.com>

-----  
Date: Mon, 02 Nov 1998 09:01:29 -0700  
From: Andy Fox <foxes@theriver.com>  
To: qrp-1@lehigh.edu  
Subject: [23858] Not QRP - How to view embedded attachment?  
Message-ID: <363DD759.6DA5B065@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi,

Sorry for the bandwidth.

I received an embedded attachment in an e-mail, and I'd like to view it. Normally I would welcome the opportunity to figure out how to do some neat technical thing, but in this case I really just need to view the attachment pronto.

Here is a summary of what I received in my Netscape Communicator 4.06 mail:

>The document is a MS Word document.

>

>Best regards

```

>
>
>[ Section: 1/1 File: joysti~1.doc Encoder: Turnpike Version 1.11 ]
>
>begin 644 joysti~1.doc
>MT,\1X*&Q&N$'...../@`#`/[_"0`&'.....!
>M'``('.....$``(@``$``#^____`!``#_____
>M_____
>
>

```

<snip>

```

>
>M'.....'.....
>M'.....
>M'.....
>M'.....#_____ \
>7'.....
>
>end
>
>sum -r/size 12918/34597 section (from "begin" to "end")
>sum -r/size 18855/25088 entire input file

```

I can copy this ASCII text to the clipboard, but do not know of a slick way to dump it directly to a file. My best guess is that the sender's e-mail converted the document to straight ASCII prior to sending the file.

Any ideas? Any help would be appreciated.

72 de Andy, KK7HV

p.s. Boy, MS Word sure does store a lot of "nothing" in the middle of a document!

-----

```

Date: Mon, 02 Nov 1998 08:04 -0800 (PST)
From: wctrautfield@west.raytheon.com
To: qrp-1@Lehigh.EDU
Subject: [23859] who had RS walkie-talkies FS last week?
Message-ID: <0F1S00I18XZWIE@mail.hac.com>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

```

HI All

OK, Ive now done it too. Deleted a list item before I should have.

Would like to find the fellow who posted a pair of older Radio Shack 5 watt walkie talkies on the list last week. As it turns out after talking to my two boys this weekend, they would love to have them.

Can some one help?

Thanks

Curt  
KE6CDC

-----  
Date: Mon, 2 Nov 1998 18:18:34 +0200  
From: Yaacov@barcode.co.il  
To: foxes@theriver.com, qrp-1@lehigh.edu  
Subject: [23860] Re: Not QRP - How to view embedded attachment?  
Message-ID: <9811022322.AA0097@Yaacov>  
Mime-Version: 1.0  
Content-Id: <58\_103\_1\_910048714>  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Andy,

I'm taking this bandwidth to answer you, and also for everyone to know what to do.

You see, files with the extension \*.doc are not ASCII file. Therefore they cannot be sent by regular e-mail. So they are converted to ASCII file.

In order to re-convert it, you should obtain a program called "udecode" (if you don't have it, I'll send it to you).

If you run "udecode" on the file, you'll get, in your directory, the file "joysti~1.doc" - which you can open in MS-Word.

73,  
Yaacov Yossef 4Z9DGF

-----  
Date: Mon, 02 Nov 1998 09:25:35 -0700

From: Andy Fox <foxes@theriver.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23861] Re: Not QRP - How to view embedded attachment?  
Message-ID: <363DDCFF.5EF6D688@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello,

Thanks to Ron and Pete for the immediate response.

I went to [tu cows.com](http://tu cows.com), looked under e-mail and found a program. I actually downloaded it from:

<http://www.funduc.com/otsoft.htm#decodeshellextension>

It's called "Decode Windows 95 Shell Extension."

I saved the e-mail message, then used the program to view it. Painless, as I hoped.

Thanks again, guys, for the help.

Now, back to your normal QRP programming...

72 de Andy KK7HV

-----  
Date: Mon, 02 Nov 1998 11:24:31 EST  
From: we6w@juno.com (Ed Loranger)  
To: foxes@theriver.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [23862] Re: Not QRP - How to view embedded attachment?  
Message-ID: <19981102.082423.7815.0.we6w@juno.com>

Andy, that is a UUENCODED document. I uuencode then split up large documents and ship them via juno and reassemble them at home, uudecode then have the binary!

There is uudecode and uuencode freeware out there. Just save the file, uudecode filename, and it will give you the file.doc which you can view.



gotta run.

-Ed

72, Ed WE6W QRP-Z#106 <http://www.qsl.net/we6w>

Enjoying Ham Radio every day! Santa Rosa, CA.

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 2 Nov 1998 08:25:14 -0800  
From: Brian Murrey <brian@iquest.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [23863] N/T+ Fox on the loose  
Message-ID: <363DDCEA.4C991BAB@iquest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Howdy all,

This fox will be on the air during the following times.

For those of you not UTC impaired

11/05/98 02:00 to 04:00 UTC 7.122Mhz +/-

11/06/98 10:00 to 12:00 UTC 7.106Mhz +/-

or

11/04/98 21:00 to 23:00 EST 7.122Mhz +/-

11/06/98 05:00 to 07:00 EST 7.106Mhz +/-

I'm in Indiana, nr Indianapolis. My rig is a NORCAL 40A running 1.8 screaming watts of power into a attic based dipole up about 27 feet. My CW speed is about 10 wpm, if you hit me with 13 or so I can probably still copy it but the numbers may throw me off, if you hit me with 20 wpm, I won't be able to call you. I use a set of Ten Tec paddles and I have been told that my fist is steady and easy to copy. My dipole is more like a wide U shaped antenna. It is running east and west with 5' on each end turned 90 degrees to the north.

I have been able to work SD, VA, FL, and VE3 on this set up. I'm up to 20 states and looking forward to getting a few more.

Looking forward to working you!

I will call:

CQ FOX CQ FOX DE KB9BVN KB9BVN K

I will respond with:

RST RST IN IN BRIAN BRIAN 1540 1540 BK

Please try to send your info in the same identical format to keep things speedy.

I will end QSO with:

QSL es TNX URCALL DE KB9BVN

Be gentle. I've only been at CW for 60 days.

--

=====

NORCAL Zombie Brian Murrey - KB9BVN - QRP-L #1540  
39.558 N 86.095 W Johnson Co., Indiana  
GRID: EM69WN - NORCAL 40A - Longwire - 1.8w  
Novice/Tech+ FOX - Catch me if you can!!

=====

-----

Date: Mon, 02 Nov 1998 10:45:16 -0600  
From: crc <crc@io.com>  
To: Ab7wy@aol.com  
Cc: Qrp-l <qrp-l@Lehigh.EDU>  
Subject: [23864] Re: the FCC and qrp kayaking  
Message-ID: <363DE19C.2B5E@io.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ab7wy@aol.com wrote:

>  
> cashed on the 21st of Sept...7 days, cool, i made it. ok, now to wait....6  
> weeks go by and they still havent even processed my application, then i get a  
> fat letter from them telling me that my application has been "disssmised"

> because they had not recieved the form 159 (which i sent) and the check for  
> \$13 (which i also sent)!! that steamed me to no end, so i sent an email to  
> commisioner Tristani and im waiting to see what she has to say about all this.  
> this madness has to end sometime!

If it helps any I took my Extra exams at Belton Hamfest October 3  
,passed ,and went home happy as a clam.Received my new license(same old  
call)By monday October 12.So parts of the FCC are working quickly,maybe  
they just need to bring other parts up to speed.  
Charlie WA5KRF novice to extra in only 35 years

-----  
Date: Mon, 02 Nov 1998 12:10:58 -0500  
From: Ed Tanton <n4xy@att.net>  
To: ki6ds@dpol.k12.ca.us  
Cc: qrp-1@Lehigh.EDU, w7el@teleport.com, kr1r@arrl.org, DHenderson@arrl.org,  
tduffy@sygnet.com, nm7n@arrl.org  
Subject: [23865] Re: Proposed Change in FD Rules  
Message-ID: <3.0.5.32.19981102121058.00c3ea90@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Doug, et al, it was my (mis) understanding that to qualify for Solar  
Power all you had to do was fully charge your almost-fully-discharged  
battery (there are appropriate numbers somewhere) PRIOR to your field day  
operation. I had never noticed that you then had to then not further use  
the panel in this manner as Doug has analyzed. I can see no reason what so  
ever for a solar panel battery not to be recharged DURING field day by the  
PRE-QUALIFIED battery-it is a after all a QUALIFIED solar panel station.

I suspect it relates to the use of gasoline powered generators in one form  
or another-in an attempt to keep people honest when using QRO FD stations.  
It is reasonable to believe that such a procedure is not economically (and  
probably not physically) possible using solar arrays of such a size by said  
QRO-types. What is needed is a specific change in the rule(s) regarding  
solar powered stations-since the majority of these stations are using  
QRP-not QRO-and not even 50W now 100W,; and furthermore, most are using  
only one, pre-qualified (by appropriate discharge and recharge) battery.

The use of SOLAR charging during operation in no way provides nor promotes  
the kinds of advantages I believe the rule was written to discourage. It is  
a case of apples and oranges between "regular" operation(s) using  
generator(s) and solar-powered stations, which, virtually MUST be QRP by  
sheer numerically-proscribed laws of physics/etc. Even a 100AH car battery  
cannot be recharged sufficiently by reasonable solar power DURING the FD  
operating period-so even 100W operation is not possible without using 2  
such batteries charged prior to the weekend.

I would point out here that the use of a solar-power-charged 100 A/H car battery makes all of this argument moot for QRP, as does the use of multiple batteries where one battery is being used for operation, while the other(s) are being charged. I do not believe anything in the rules prohibits the use of more than one battery, nor does it specify the size of the battery in use. This size business should not affect portable operations particularly-only REAL portable operation where someone backpacks in, solar "array" and all... and even then the use on 2 small batteries should not be very affected.

I believe this is a case of the ARRL having written a rule years ago to cover a particular situation, and then having that rule conflict with PROPER and USUAL operation of a station where the situation is an entirely different one. The proposed rule change makes sense for solar-powered stations, and does not, in any way, affect the kind of operation the original rule was-I believe-intended for.

Ed Tanton N4XY  
ARRL Life Member

73

-----  
Ed Tanton N4XY EMAIL: n4xy@att.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

-----  
INTERESTS: QRP BoatAnchors Test Equipment Photography  
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

-----  
Date: Mon, 02 Nov 1998 09:11:21 -0800  
From: Grant Taylor <k7gt@qsl.net>  
To: NA5N@RT66.com, qrp-1@lehigh.edu  
Subject: [23866] Zombie Shuffle log  
Message-ID: <363DE7B9.483D@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Paul

Here is my Zombie shuffle entry/log. MANY PRIMES and GRAND ZOMBIES ! !  
Too bad the noise level was so high here. Also was time-constrained to  
about 40 minutes operating time.

Rig: OmniVI at 5W, HyGain DX77 trap vertical  
40m only

#### OFFICIAL ZOMBIE SHUFFLE SCORE SHEET for K7GT

- 1) \_11\_\_\_\_ Number of stations worked (not really used for anything!)
- 2) \_2052\_\_ Sum of Zombie numbers (add up ALL Zombie numbers worked)  
ADD CAREFULLY. This could be a big number.

#### BONUS POINTS:

- 3) \_\_\_\_\_ Add 666 points if you're also a warewolf
- 4) \_\_\_\_\_ Add 666 points if you worked more than 13 stations
- 5) \_666\_\_\_ Add 666 points if you worked 3 or more prime numbers
- 6) \_\_\_\_\_ Add 666 points for each YL/witchesses you worked
- 7) \_\_\_\_\_ Add 666 points if you worked an Elvis
- 8) \_2664\_\_ Add 666 points for each Grand Zombie worked (Zombie  
#001-025)
- 9) \_\_\_\_\_ Add 666 points if at least one QSO was on 80M
- 10) \_5382\_\_ Add up lines 2 through 9. This is your adjusted gross score.  
>Look up your tax on page 38 and enter on your W-2 line 17  
:-)

#### MULTIPLIERS:

- 11) \_16908\_ Multiply line 10 by "pi" (3.14) if you're a Zombie (an OM)
- 12) \_\_\_\_\_ Multiply line 10 by "2-pi" (6.28) if you're a witchess (a  
YL)

NOTE: You can use any resolution of pi you wish.

- 13) \_16908\_\_\_ THIS IS YOUR TOTAL SCORE. (Line 10 times proper  
multiplier)

(Took some work to get this to end on line 13!)

NAME: A.G.Taylor (Grant) CALL: K7GT ZOMBIE: 599

Contacts:

509 AK7Y P  
200 NQ7X  
205 WB5QYT  
23 AB7TT P G  
19 K5OI P G  
229 KK6MC/5 P  
533 N1FN  
158? VE6BPR  
151 N1IRZ  
4 NA5N G  
21 WA5WHN P G

--

Grant K7GT Pleasanton CA k7gt@qsl.net <http://www.qsl.net/k7gt>

-----  
Date: Mon, 02 Nov 1998 11:08:51 -0600  
From: crc <crc@io.com>  
To: Qrp-l <qrp-l@Lehigh.EDU>  
Subject: [23867] Accurate QRP pwr  
Message-ID: <363DE723.314E@io.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I built the little power measurment set up in the Fall 97 QRPp. And am having trouble making the math work out. The formula given is  $\text{Watts} = \text{Square root of } (.707 * \text{pk})^2 / 50 \text{ ohms}$ , where pk is the peak DC reading on the voltmeter. If I use those numbers and the figures in the last section of the article I get a value of 2.23 watts for 22.4 volts and the author states the answer is 5 watts. I achieve that answer by not extracting the square root, but I assume the author knows his work better than me and I am wondering where I am breaking down?  
Charlie WA5KRF AQRPF#X QRP-L#1207

-----  
Date: Mon, 02 Nov 1998 11:19:13 -0600  
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>  
To: crc@io.com, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [23868] RE: the FCC and qrp kayaking  
Message-ID: <000001be0684\$ea526270\$d8016f81@muenzlerk.uthscsa.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

crc (Charlie) wrote:  
>  
> Charlie WA5KRF novice to extra in only 35 years  
>

HA! It only took me 22 years! Same old call :)

Kevin, WB5RUE  
wb5rue@stic.net

-----  
Date: Mon, 02 Nov 1998 11:29:11 -0600  
From: Kevin Muenzler WB5RUE <wb5rue@stic.net>  
To: wb5rue@stic.net  
Subject: [23869] Huge fireball over south Texas  
Message-ID: <000001be0686\$4ea038a0\$d8016f81@muenzlerk.uthscsa.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Did anyone else (in Texas) see the HUGE fireball last night?  
It was around 21:15 local time. I am near San Antonio and it  
was to the southeast. I don't think it was a meteor, it  
looked more like something coming down from orbit. It was  
bright green (enough to cast a shadow) with a red trail several  
degrees long. It was brightest at about 25 degrees above the  
horizon and then it disappeared. It left what looked like a smoke  
trail (dark green) that was probably ionized oxygen. I was outside  
walking my baby daughter to sleep. The shadow it cast caught my  
attention. The moon was blocked by a tree so the shadow was easily  
visible. I know there is a very large meteor shower coming up in  
a couple of weeks. If this was from that shower, so early, maybe  
we'll have a good show!

73/

Kevin, WB5RUE

wb5rue@stic.net

-----  
Date: Mon, 02 Nov 1998 12:40:04 -0500  
From: Ed Tanton <n4xy@att.net>  
To: adamsdm@lewiston.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [23870] Re: amateur radio & my 2 cents  
Message-ID: <3.0.5.32.19981102124004.00c0c900@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/enriched; charset="us-ascii"

Don is right... there has been entirely too much "good ole days" going around. There are, Don, some incredibly unlearned (to put it even close to nicely) people showing up. What you have been reading is mostly in response to them. I will say, Don, that the laments are NOT the main part of ham radio-even though many of us DO feel there are forces beyond our control that are NOT making driving ham radio in a better direction. Even though many of us may feel that way, I believe the majority of us are NOT dwelling on it-are not focusing our ideas of what ham radio is about on such things.

However, enough is enough. These lengthy notes about ***how great things were*** are NOT accomplishing a single, good, thing. Things never were THAT good. Things never are THAT bad.

Ham radio is at a very important, crucial, moment in its existence. We can proceed onwards, investigating things like ***Taylor mixers*** and ***fractal antennas***, and talking and operating with enthusiasm; or we can lurk back somewhere in the cellar and watch it deteriorate into a couple of "old fogies" on 75M SSB keeping THEIR frequency to themselves.

Hang in there Don... it'll be worth it in the long run. The Internet has had-and will continue to have-a great impact on our society. It has had a similar effect on ham radio-and the tremendously increased communicability we all share through both ham radio and the Internet needs time to sort itself out. They are not the same-they are not truly in conflict nor competition with each other, and I believe those facts will become more apparent as time goes on.

We hams have tremendous possibilities available to us, and tremendous



73

TEL: (770) 579-3933 V/MBX/FAX

"Think you can, think you can't: either way you're right!"      Henry Ford

Snuck in a few QRPp contacts Sunday on 15m and 12m (running 100-500mw w/Drake B line ...dont have the modules built for the Sierra yet!! The ant was a 300'random wire) Bands were hot. Other stations couldn't believe I was under a watt! Mostly stateside and one SA ...ORP never ceases to be a thrill and just plan FUN stuff.

Thanks

Steve/n0tu/qrp/m

-----  
Date: Mon, 2 Nov 1998 13:07:38 -0500  
From: "Franco, Nicholas J" <franco@bnl.gov>  
To: qrp-l@lehigh.edu  
Subject: [23872] Zombie ztuff  
Message-ID: <7F3D7334ABE6D11196F500A0C9B426B61E06@exchange.bnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Thanks Paul for this fun event. It was a ruff few hours but worth it. There were many stations trying out there so the event was a success in that many of us were interested and working.

I will post my official log and tally sheet to Paul from home later. I had to replace the hard drive at home so didn't have a machine up and running during the weekend.

I worked 12 stations total. 7 or 8 on 40m and 4 or 5 on 80m. I couldn't believe that racket on 40m either. Sounded like a jet engine in my headphones. I couldn't use too much audio filtering either or I would loose the stations calling CQ B00. I did have a blast though. I worked from 9:00 to midnight here on the East coast. Actually I bailed out about 11:45 PM EST. When I read the rules for the tally sheet the next day, I was disappointed that I didn't stick in there 'til the end of my 3 hour limit. I could have possibly worked on more to get 13. I didn't think of that at the time. It was a real strain to listen through that noise on 40m.

80m wasn't in bad shape, but only relatively local stations were found there. I did manage to work a Grand Zombie, George N2APB # 24. I never heard any other Grand Zombies and no Elivii heard either. I only worked on Prime Zombie number and it must have been an area code at that cuz it was a 900 number range.

It was a great fun event and I look forward to it again next year.

72,

Nick - kf2ph . .  
QRP-L # 13      Zombie # 543

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY  
Systems Administrator        RHIC Project    Building 1005  
Tel: (516) 344-5467        UPTON, NY    11973-5000  
Fax: (516) 344-3674        Ham Call:    KF2PH  
Email: nickf@bnl.gov    <http://www.rhichome.bnl.gov/People/franco>

-----  
Date: Mon, 02 Nov 1998 10:11:28 -0800  
From: Grant Taylor <k7gt@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [23873] Sweepstakes/CW  
Message-ID: <363DF5D0.44B7@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Commit right now to fire up your rig, be it QRO, QRP, or somewhere in the middle, to work at least 25 Qs during the upcoming SS test. Don't worry if the stns you hear are gg faster than you. Just call them at YOUR comfortable receiving rate. They WANT your contact/exchange, so insist they slow down if that is appropriate.

Rather than really attempt to WIN even my section (very competitive!) I am setting some personal goals and time constraints that allow me to both have fun and not be a Zombie the next morning! My goals this year include working as many class Q stations as possible (power class Q is 5W or under--QRP, in other words). No, I won't be QRP myself, but I WANT TO WORK YOU!

The exchange is: NR PWR CALL CK SEC    where NR is a serial number  
PWR is B,A,or Q for power class. B is over 150, A is 150W or less, down to 5W, and Q is 5W or less. Call is... your call!. CK is a two digit number corresponding to the year you were first licensed, and SEC is your ARRL section , preferably abbreviated. As I will be using the contest club call, AE6TT, the exchange I will be giving out is:

NR 1 B AE6TT 58 EB    .EB is East Bay section, 58 corresponds to 1958, when I got my Novice...

The fun begins at 2100Z Saturday and goes until 0300Z Monday (Sunday evening)

If you don't plan to enter even an informal log, don't worry about

missing parts of the exchange, but as I will be entering a log, I need perfect copy on yours. I will try to be around the 7040 freq, attempting to run hours on end there.

Grant, chief op of AE6TT

--

Grant K7GT Pleasanton CA k7gt@qsl.net <http://www.qsl.net/k7gt>

-----  
Date: Mon, 2 Nov 1998 13:12:15 EST  
From: DENNISMO@aol.com  
To: qrp-l@lehigh.edu  
Subject: [23874] Apology To All  
Message-ID: <db737946.363df5ff@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi All -

Andy Fox KK7HV kindly e-mailed me and was curious as to why I had posted a reply ([CW] Memorizing answers) to this list. Well, I just plain goofed; it that should have gone to the CW reflector. My apologies to all, but particuallly to anyone that was put off by it.

Andy, thanks for the way you let me know that my post was inappropriate for this list. IMHO you showed a lot of class; you could have just flamed me as sometimes happens on this list. I do appreciate it Sir and I hope that I would be as kind and fair if the situation were reversed.

72 es God Bless de Denny AD6EZ<><

-----  
Date: Mon, 2 Nov 1998 10:18:02 -0800 (PST)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: Ab7wy@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23875] Re: the FCC and qrp kayaking  
Message-ID: <Pine.LNX.3.96.981102101650.31567A-1000000@amethyst.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 2 Nov 1998 Ab7wy@aol.com wrote:

> Nat, my story is similar. for those that know, i filed online on Sept 14th  
 > for a vanity call too, im not too happy sending AB7WY, i was figuring i would  
 > get the new call before the CQ WW CW test. i hit "send" then walked down to  
 > the mailbox and sent the check off to the FCC, we got our check back marked  
 > cashed on the 21st of Sept...7 days, cool, i made it. ok, now to wait...6  
 > weeks go by and they still havent even processed my application, then i get a  
 > fat letter from them telling me that my application has been "dismissed"  
 > because they had not recieved the form 159 (which i sent) and the check for  
 > \$13 (which i also sent)!! that steamed me to no end, so i sent an email to  
 > commisioner Tristani and im waiting to see what she has to say about all this.  
 > this madness has to end sometime!

This is why Certified Mail exists. Sure, it costs you \$3.00 per parcel,  
 but it's well worth the legal stance it provides you -- ESPECIALLY when  
 dealing with a Federal agency of any kind.

```
=====
      KC5TJA/6      |                      -| TEAM DOLPHIN |-
      DM13          |                      Samuel A. Falvo II
      QRP-L #1447   |                      http://www.dolphin.openprojects.net
      Oceanside, CA |.....
```

```
-----
Date: Mon, 2 Nov 1998 10:29:39 -0800 (PST)
From: Mike Parkes <ab7ru@yahoo.com>
To: crc@io.com, QRP List QRP <qrp-l@Lehigh.EDU>
Subject: [23876] Re: Accurate QRP pwr
Message-ID: <19981102182939.25741.rocketmail@send104.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
```

Charlie:  
 I don't know the answer to your question, BUT...I am very interested  
 in buidling this circuit. Any chance someone could post a description  
 of it?  
 Thanks!  
 72 Mike AB7RU

```
---crc <crc@io.com> wrote:
>
> I built the little power measurment set up in the Fall 97 QRPp.And am
> having trouble making the math work out.The formula given is
> Watts=Square root of(.707*pk)squared /50ohms,where pk is the peak DC
> reading on the voltmeter.If I use those numbers and the figures in the
> last section of the article I get a value of 2.23 watts for 22.4 volts
```

> and the author states the answer is 5 watts.I achieve that answer by  
not  
> extracting the square root ,but I assume the author knows his work  
> better than me and I am wondering where I am breaking down?  
> Charlie WA5KRF AQR#X QRP-L#1207  
>

==

Michael Parkes AB7RU

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Mon, 02 Nov 1998 11:41:28 -0700  
From: Andy Fox <foxes@theriver.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23877] Re: Not QRP - How to view embedded attachment? - Thanks Again!  
Message-ID: <363DFCD8.A086D646@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Whew!

I just wanted to thank everybody again for the help decoding that file.  
About a dozen people responded right away - it sure is nice to have so  
many helpful people out there who are willing to take the time to help  
someone in need.

Thanks again, and 72 de Andy, KK7HV

-----  
Date: Mon, 02 Nov 1998 11:45:40 +0000  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [23878] Fwd: Re: Apology To All  
Message-ID: <199811021837.LAA24884@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Date: Mon, 02 Nov 1998 11:45:13 +0000  
>To: DENNISMO@aol.com  
>From: Bob Hightower <ki7mn@extremezone.com>  
>Subject: Re: Apology To All  
>  
>At 01:12 PM 11/2/98 -0500, you wrote:  
>>Hi All -  
>>  
>>Andy Fox KK7HV kindly e-mailed me and was curious as to why I had posted a  
>>reply ([CW] Memorizing answers) to this list. Well, I just plain goofed; it  
>>that should have gone to the CW reflector. My apologies to all, but  
>>particually to anyone that was put off by it.  
>>  
>>Andy, thanks for the way you let me know that my post was inappropriate for  
>>this list. IMHO you showed a lot of class; you could have just flamed me as  
>>sometimes happens on this list. I do appreciate it Sir and I hope that I  
would  
>>be as kind and fair if the situation were reversed.  
>>  
>  
>Denny, I don't know that it was inappropriate at all.....it generated some  
answers from some folks who are truly concerned with the current trend, and  
that want new hams to hang in there and progress to the point of enjoying  
the hobby rather than becoming appliance operators.  
>  
>I didn't see the original note (not on the CW reflector), but thought some  
of the answers were thought-provoking.  
72,73  
Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

-----  
Date: Mon, 2 Nov 1998 10:42:13 -0800 (PST)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: Brian Murrey <brian@iquest.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23879] FOX: N/T+ Fox/2 on the loose  
Message-ID: <Pine.LNX.3.96.981102102010.31567B-100000@amethyst.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 2 Nov 1998, Brian Murrey wrote:

> Howdy all,  
>

> This fox will be on the air during the following times.

Man, I thought that I would be the first too... :)

But I think I am the first on the west coast... \*grin\*

This is my first session as a fox, and despite my current CQ comeback count of ZERO, I have volunteered to be a N/T+ fox this Wednesday, Pacific time. Yes, the schedule is already approved.

Wednesday 2100-2300 Pacific time

Thursday 0500-0700 GMT

I will be calling, "CQ FOX CQ FOX DE KC5TJA/6 KC5TJA/6 K" -OR- "CQ FOX CQ FOX DE KC5TJA KC5TJA K", depending on how my wrist feels after a few CQs... :) My code speed should be around 5 words per minute. Nobody ever answered me on the radio before, so my fist is probably abhorrent. Please bear with me.

The frequency that I'll be calling on will likely be 7121kHz, as that seems to be the quietest frequency I hear. 7110 seems to have a dead carrier there, and 7114kHz usually has a BCB station there. Please expect me to QSY in the event of noise or lack of hound response. Exactly how far, I really don't know -- I don't have a frequency counter hooked to my radio yet. :) Should be no more than 6 or 7kHz at a time, though. Again, please bear with my lack of suitable equipment and band conditions.

My radio is an SW-40+, running 1.4W into a homebrew 40m dipole. One half of the dipole is running along my balcony railing, and is outside, but is close to concrete objects, which I'm going to assume is re-bar filled. The other half of the dipole is running along the baseboards of the apartment. The two legs form a 90-degree angle (roughly). Polarization is horizontal. The driven element itself runs north-south, so the antenna will tend to radiate in an east/west direction. Sorry -- there is absolutely NO WAY to set it up as a vertical. I live next to the ocean as well. I will try to improve the antenna situation as much as I can, but don't expect much... :(

First handshake should be "KC5TJA KC5TJA DE <urcall> <urcall> <urcall> -AR- K", so that I know what to listen for. :)

Second handshake will come from me, "<urcall> <urcall> DE KC5TJA KC5TJA <rst> <rst> 1447 1447 CA CA <urcall> <urcall> DE KC5TJA KC5TJA".

Third handshake should come from you hounds, "KC5TJA KC5TJA DE <urcall> <urcall> <rst> <rst> <qrp-1#> <qrp-1#> <state> <state> KC5TJA KC5TJA DE <urcall> <urcall>".



At that time, I'll terminate the QSO with the final handshake, "THX <urcall> <urcall> DE KC5TJA".

```

KC5TJA/6      |      -| TEAM DOLPHIN |-
  DM13        |      Samuel A. Falvo II
QRP-L #1447   |      http://www.dolphin.openprojects.net
Oceanside, CA |.....

```

Date: Mon, 2 Nov 1998 10:46:23 -0800 (PST)  
From: KC5TJA <kc5tja@topaz.axisinternet.com>  
To: crc <crc@io.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23880] Re: Accurate QRP pwr  
Message-ID: <Pine.LNX.3.96.981102104346.31567C-100000@amethyst.axisinternet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 2 Nov 1998, crc wrote:

```
> Watts=Square root of(.707*pk)squared /50ohms,where pk is the peak DC  
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

Power =  $E \cdot E / R$ , always. There's no square-root anywhere in it.

Using your voltmeter measurements, I get a power of 10.0352, which still leads me to think that something fishy is afoot. But the actual "Ohms-law" formula for Power is  $P=IE$ , and from that, we can derive  $P=E^2/R$ .

KC5TJA/6		-  TEAM DOLPHIN  -
DM13		Samuel A. Falvo II
QRP-L #1447		<a href="http://www.dolphin.openprojects.net">http://www.dolphin.openprojects.net</a>
Oceanside, CA		.....

Date: Mon, 2 Nov 1998 14:08:59 EST  
From: Davewb4@aol.com  
To: qrp-l@LEHIGH.EDU  
Subject: [23881] Accurate QRP Power  
Message-ID: <6956cd34.363e034b@aol.com>  
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

The article describing a Screw on Dummy Load Detector appears in the Jan 1998 issue of QRP Quartly. Charlies math is wrong in the example he gave. with a peak reading of 22.4 volts the power in watts is indeed 5.01 watts.

1. Peak = 22.4
2. Multiply peak by .707 for RMS value=15.83
3. square the RMS value= 250.58
4. Divide by 50 (assuming the load resistance is 50 ohms=5.01 Watts

Works every time

73

Dave Rogers  
WB4CHK

-----  
Date: Mon, 2 Nov 1998 14:21:04 EST  
From: Blackpug1@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [23882] 3M Scotchkoate substitute  
Message-ID: <47ab4070.363e0620@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Paul Danzer in his Antenna Companion book, says that outside transmission line connectors should be taped and then sprayed with Scotchkoate. I can't find Scotchkoate anywhere in Sioux Falls. Anyone know of a more readily available substitute?

Mike  
KBORIA

-----  
Date: Mon, 2 Nov 1998 15:00:49 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: KC5TJA <kc5tja@topaz.axisinternet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23883] Re: FOX: N/T+ Fox/2 on the loose  
Message-ID: <Pine.LNX.3.93.981102145827.822F-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 2 Nov 1998, KC5TJA wrote:

> first session as a fox, and despite my current CQ comeback count of ZERO,

Boy, that's gonna change:) Some of these guys can hear 5W to a dummy load if there's a fox attached to it. We'll be listening, 72 es best of luck!

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Mon, 02 Nov 1998 11:09:41 -0800  
From: Grant Taylor <k7gt@qsl.net>  
To: qrp-1@lehigh.edu  
Subject: [23884] Peak power measurement  
Message-ID: <363E0375.1063@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The relations between peak and average power are  $P_{pk} = 2 \cdot P_{av}$ .  
Ppk is NOT PEP ! ! !...rather PEP is the highest envelope average power!)

So, to determine the peak voltage to be measured in a capacitor charged by rectifying (detecting) RF, one should use the formula:

$E_{pk} = \sqrt{2 \cdot P_{av} \cdot R}$  . For 5W (average!), we have  $\sqrt{2 \cdot 5 \cdot 50}$   
which is 22.36V.

The converse formula would be, given  $E_{pk}$  measured,  $P_{av}$  is given by

$P_{av} = E_{pk} \cdot E_{pk} / (2 \cdot R)$ . For a 50 ohm dummy load this is

$P_{av} = \text{POWER} = E_{pk} \cdot E_{pk} / 100$ .

--

Grant K7GT Pleasanton CA k7gt@qsl.net <http://www.qsl.net/k7gt>

-----  
Date: Mon, 2 Nov 1998 11:53:29 -0800  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
To: <ccart@dns.vidtel.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [23885] Re: FOX: N/T+ Fox/2 on the loose  
Message-ID: <058101be069a\$790abe30\$140a0a0a@double\_trouble.reliablemeters.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

N3XRV wrote:  
>Some of these guys can hear 5W to a dummy load  
>if there's a fox attached to it

It's been done. :-)

Mike K1MG

-----  
Date: Mon, 02 Nov 1998 11:55:42 PST  
From: "DJ Rock" <b2bn@hotmail.com>  
To: QRP-L@LEHIGH.EDU  
Subject: [23886] Re: Huge fireball over south Texas  
Message-ID: <19981102195542.16738.qmail@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain

I didn't see that one, but I did see a very large and bright shooting star last Friday night at about 0230. It started about 25-30 degrees above the western horizon (East Coast QTH) and seemed to disappear below it. Hopefully this is a sign of the upcoming leonids, which are supposed to be fantastic. We should try to get as many people on 6meter CW/SSB during the leonids. Ill be there KF4ZKN.

>Recon: 8.1 beta -- ListProcessor(tm) by CREN  
>  
>Did anyone else (in Texas) see the HUGE fireball last night?  
>It was around 21:15 local time. I am near San Antonio and it  
>was to the southeast. I don't think it was a meteor, it  
>looked more like something coming down from orbit. It was  
>bright green (enough to cast a shadow) with a red trail several  
>degrees long. It was brightest at about 25 degrees above the  
>horizon and then it disappeared. It left what looked like a smoke  
>trail (dark green) that was probably ionized oxygen. I was outside  
>walking my baby daughter to sleep. The shadow it cast caught my  
>attention. The moon was blocked by a tree so the shadow was easily  
>visible. I know there is a very large meteor shower coming up in  
>a couple of weeks. If this was from that shower, so early, maybe

>we'll have a good show!  
>  
>73/  
>  
>Kevin, WB5RUE  
>wb5rue@stic.net

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Mon, 2 Nov 1998 13:09:04 -0600  
From: Larry Cruise <Larry.Cruise@mci.com>  
To: "'QRP-L'" <qrp-l@Lehigh.EDU>  
Subject: [23887] RE: Huge fireball over south Texas  
Message-ID: <01BE0661.F81D0B80.Larry.Cruise@mci.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

>>Did anyone else (in Texas) see the HUGE fireball last night?<<

Didn't see the one last evening, but I saw one several years ago. Very impressive to see. Below is part of a message from an experienced observer who previously sighted a meteor that pretty much describes what you saw.

-72 Larry aa5ta (West Texas)

METEOR VISUAL OBSERVING FORM  
SUMMARY REPORT

DATE: Aug 12/13, 1996 BEGIN: 7h00 UT END: 8h40 UT  
OBSERVER : Peter S. Gural,  
LOCATION : Long:111 deg 35' 38" West; Lat: 31 deg 57' 30.3" North  
Kitt Peak National Observatory, Tucson, AZ, USA; ELEVATION: 6875 feet  
-----

<SNIP>

REMARKS: During break AT 8h10m UT while looking down, there was a VERY VERY bright flash of a green fireball that lit up the terrain. Must have been as bright as the full moon, it left shadows. Looking up the meteor was

a Perseid with a greenish train that lasted nearly 60 seconds directly overhead. The train was 40 degrees long.

-----

-----

Date: Mon, 02 Nov 1998 11:58 -0800 (PST)  
From: wctrautfield@west.raytheon.com  
To: qrp-1@Lehigh.EDU  
Subject: [23888] delta loop for 15 meters help  
Message-ID: <0F1T0024J9EDB6@mail.hac.com>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hi Folks

Now that I am getting my HW-8 back on line, I thought I would try 15 meters portable. A number of years ago I saw a statement made by Michael Bryce in 73 magazine which stated in effect, dont just do a dipole for cut for 15 meters, go ahead and do a delta loop. And with that statement was a small construction article on how to make that delta loop antenna. It looked very easy. Unfortunately for me I cant find where I put a copy of that article. Looked high and low this weekend. Looked in the two references I have and did not find complete info. So I ask for help.

I do know that the basic formula is  $1005/\text{freq of interest in mhz}$ . Thats the total length of the antenna. Then you divide this by three to get the length of each side. So for me thats:

$1005/21.15\text{mhz}/3 = 15.83$  feet per side.

What I dont remember is how and what do you feed this thing with?  
Can it be done with out the need for a tuner in the field?  
Is it field friendly?  
Is doing a delta loop the right thing to begin with (for portable)?  
A heck, lay it on me. I want to try one of these things anyway even if it is not right for portable.

Thanks for the space.

Curt  
KE6CDC

-----  
Date: 03 Nov 1998 03:28:12 -0500  
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>  
To: qrp-l;;  
Subject: [23889] terminating Tayloe mixer  
Message-ID: <1998Nov03.032812-0500@[130.113.234.7]>

No, don't want to end this thread, just want to consider impedances involved going in and coming out.

Specifically, would like to discuss what impedance the audio amplifier should be, as a load on the mixer.

The Tayloe mixer actually has a voltage GAIN of nearly two. This is because an in-phase signal will charge two of the integrating capacitors to +peak and -peak voltage respectively. The other two capacitors would charge to zero in this case.

So a differential amplifier (or instrumentation amplifier) sees an audio signal that's twice the amplitude of the RF signal.

To get maximum power transfer, the antenna impedance should be matched to the audio amp input impedance. Because of the voltage gain, the impedance transformation between antenna and audio is a factor of four (  $Z$  is proportional to voltage gain squared).

What is the input impedance of an instrumentation amplifier? Very high. So there's two choices: step up the antenna signal to a very high impedance, or step up the audio voltage to a very high impedance.

The first choice is likely a bad one. Such large signals going into the mixer would adversely affect large-signal handling.

The second choice is almost as bad. An audio transformer can add hum and pick up stray magnetic fields. And audio transformers are bulky, even when wound on potcores.

So let's just deal with no voltage step-up (not properly matched) and see what we get: Noise for a typical (lowcost) opamp might be spec'd as:

$4\text{nV}/\sqrt{\text{Hz}}$  voltage noise

$0.4\text{pA}/\sqrt{\text{Hz}}$  current noise

In this case, a source of less than 10,000 ohms would be dominated by noise voltage, so that's the spec we should be most concerned about.

The mixer (with a 50 ohm antenna impedance) provides about 200 ohm source Z to the audio amplifier. At room temperature, that's  $1.8\text{nV}/\sqrt{\text{Hz}}$  noise input. Clearly, a state-of-the-art amplifier ( $1\text{nV}/\sqrt{\text{Hz}}$ ) would give better results, but we're better off than with a conventional 1:1 DBM mixer, with signal loss.

Conclusion: the Tayloe mixer eases low-noise audio amplifier requirements, partly because it has small losses, and partly because of voltage gain.

Glen VE3DNL

-----  
Date: Mon, 02 Nov 1998 15:46:32 -0500  
From: Russ Hines <radioruss@fuse.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23890] Re: Accurate QRP pwr  
Message-ID: <363E1A28.80711552@fuse.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

KC5TJA is correct, however there may be confusion to what the resulting "power" actually is. His result of 10 watts is the peak power. Divide by 2 and you'll get the average power, 5 watts in this case.

The formula crc is thinking of is the formula for finding the average power when the peak voltage and impedance are known:

$$P = (E_p \times .707)^2 / Z$$

where P = average power,  $E_p$  = peak voltage, and Z = impedance.



Plug in the 22.4 volts Ep and 50 ohms Z, and you'll get your 5 watts.

Uh-oh... does this mean I'm no longer a "lurker?"

KC5TJA wrote:

>  
> On Mon, 2 Nov 1998, crc wrote:  
>  
> > Watts=Square root of(.707\*pk)squared /50ohms,where pk is the peak DC  
> ^^^  
>  
> Power = E\*E / R, always. There's no square-root anywhere in it.  
>  
> Using your voltmeter measurements, I get a power of 10.0352, which

-----  
Date: Mon, 02 Nov 1998 13:47:50 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23891] URL for SunLight Energy Systems (Mike Bryce)  
Message-ID: <363DB806.51988146@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Here is a response I got from Mike this afternoon:

"My server is messed up. Right now you can get into the system. but the pages are not working correct..

they can get into it now, having the server people work in the problem on their end. should be running correctly soon ( I hope!!!)"

The URL: <http://www.seslogic.com/> is the correct one, when the server works right.

73....Roger

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

-----

Date: Mon, 02 Nov 1998 15:49:06 -0500  
From: Ed Tanton <n4xy@att.net>  
To: "Henderson, Dan N1ND" <DHenderson@arrl.org>  
Cc: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Subject: [23892] RE: Proposed Change in FD Rules  
Message-ID: <3.0.5.32.19981102154906.00c387d0@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks for the response, Dan. Clarification isn't necessary. I understand the rule well enough. I think it should be obvious what the rule was intended for, back when it was written; and why it should now be changed, or amended, now, regarding solar power operations. The purpose of rules in contests is to define operations and prevent the seizing of advantage in one form or another. The notion that allowing the use of a solar panel on top of a battery during operation would allow some advantage is not worth considering. All that applying this particular rule to solar power accomplishes is additional battery sales, and the addition of one extra battery's weight if backpacking. It was obviously written with regard to those running QRO for FD, pressing for advantage by claiming battery power when their batteries probably couldn't actually RUN their "KW"s five minutes if their generator(s) conked out. It is outmoded, and worse: somewhat ignorant in modern QRP and solar terms; and should be changed. Thanks.

Ed Tanton N4XY  
ARRL Life Member

73

-----  
Ed Tanton N4XY EMAIL: n4xy@att.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

-----  
INTERESTS: QRP BoatAnchors Test Equipment Photography  
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

-----  
Date: Mon, 02 Nov 1998 15:57:06 -0500  
From: Ed Tanton <n4xy@att.net>  
To: Blackpug1@aol.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

They got a Home Depot in Sioux Falls Mike? Or a Lowes? They either carry it, or something near it... look in the electrical section near the plastic tape.

Date: Mon, 2 Nov 1998 13:11:46 -0800 (PST)  
From: "Michael L. Ardai" <n1list@netcom.com>

To: qrp-1@Lehigh.EDU  
Subject: [23895] Re: Proposed Change in FD Rules  
Message-ID: <199811022111.NAA21119@netcom5.netcom.com>

I too sent a similar comment to Billy back around FD. Taken literally, you could even plug your car battery into a (mains-operated) trickle charger and run that way in class C.

If it applies to other gear (just like you can't use mains power for everything except the radios and call it emergency power), it would prohibit using a UPS or even a laptop, since they all charge their battery while in use.

At our FD station, we claim emergency (not battery) power, and use the solar panel only for the natural power contacts. When we do that, we usually go directly from the panel to an HT with the battery removed and make the contacts on 2FM.

/mike

-----  
Date: Mon, 02 Nov 1998 16:52:35 -0500  
From: jeff@technologylaw.com (Jeffrey Blumenfeld)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [23896] Wanted: Sierra  
Message-ID: <19981102214410.AAA12577@jeffb>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I do a lot of business travelling, and for a long time have been taking my HW-9.

I'm looking for a Sierra, preferably with the KC-1 option, for "take along" purposes.

72,

Jeff KB3DX

-----  
Date: Mon, 2 Nov 1998 15:03:32 -0700  
From: "Charles L. Stackhouse" <cstack@safelink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [23897] For Sale-Argo 515 plus misc.

Message-ID: <19981102220757643.AAA194@safelink.safelink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Friends,

I have not yet recouped my investment in electronic test equipment and must sell more from the shack before the boss will even consider my buying any more radio gear (i.e. K2 or PIC/Basic Stamp stuff).

For Sale:

Ten-Tec Argonaut 515 (serial number 0659). Works great.  
Last used for the April 1998 QRPTTF contest. No scratches. No modifications of which I am aware. The dial cord slips a little when it sits unused for a few weeks but works fine after tuning up and down a little. Includes manual, mike, Ten-Tec 206 crystal calibrator, and Ten-Tec Model 210 power supply. I would like \$550 firm (I listed this a few months ago and got told I was selling too cheap) plus shipping for the rig as is. If there are no takers I will send to Ten-Tec for dial cord rebuild and will then ask more for the rig.

Tektronics 1503 Time Domain Reflectometer with option 04 recorder and manual-  
generates pulses for testing runs of coax cable exactly locates faults (might save some tower climbing)- checks 50,75,93 and 125 ohms cables portable, battery powered (needs new nicads), sells for \$2095 or more at dealers asking \$600 plus shipping.

JPS VMR-500 (Voice Modulation Recognizer) "DSP algorithms provide exceptional voice recognition instead of noise reduction" (otherwise looks identical to  
NRU-500 Noise Reduction Unit)- works on SSB, AM, and FM to "provide significant real-time enhancement of the intelligibility of noisy received signals" I got this in a package of other gear the former owner thinks he paid about \$1500 so I am asking \$100 including shipping to lower 48.

Grove SDU-100 Spectrum Display Unit. It visually displays the signals being heard by your receiver. It consists of a TTL monochrome monitor and a box measuring 8 x 1.5 x 10" ( and manual). This unit plugs into the "IF output" jack of a receiver (Currently set up for an IF freq of 23.5 MHz but manual tells how to change this - need to change several internal components). Has a wall cube for power. It has a "freeze" button. The specs are summarized below:

Span: Selectable 0, 100, 200, 500 kHz; 1,2,3,10 MHz  
Resolution bandwidth: Selectable 5, 30 kHz  
Sweep rate: Selectable 0.1, 0.5, 2, 6 seconds; digitally stored and  
refreshed  
Display dynamic range: 80 db, logarithmic  
Display vertical units: dB, S units  
Input level: -130 to -50 dBm  
Works great when tested with signal generator. Make me an offer.

Charlie WA2IPZ Burley, Idaho QRP-L 362  
208-678-8683

-----  
Date: Mon, 02 Nov 1998 17:08:35 -0500  
From: jeff@technologylaw.com (Jeffrey Blumenfeld)  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [23898] FS: MFJ 9020 with cw filter  
Message-ID: <19981102220009.AAA13630@jeffb>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I've got a barely-used MFJ 9020 with cw filter.

It's barely used only because most of my "on-travel" operation happens only  
at night, when 20 meters is not the best choice.

For \$105 I'll ship anywhere in lower 48.

Jeff KB3DX

-----  
Date: Sun, 01 Nov 1998 16:18:45 -0600  
From: "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>  
To: qrp-l@Lehigh.edu  
Cc: millermd@nwu.edu  
Subject: [23899] where to set up in Santa Monica and San Diego  
Message-ID: <199811022219.QAA15054@anima.nums.nwu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

OK, folks, I think I figured out why no one can get together with me for qrp ing in either Santa Monica (this Saturday and Sunday) or San Diego (this Sunday) -- it's CW sweepstakes time!

So, I hereby modify my query -- can anyone suggest where I can set up my qrp station in the beautiful outdoors of Santa Monica (Saturday morning or afternoon or Sunday morning) or San Diego (Sunday afternoon and afterwards, depending on my convention schedule)? Balboa Park in San Diego? Anywhere else?

Some one suggested the beach in Santa Monica. I wondered over my local repeater here in Chicago if I might not attract too much attention, but one friend assured me that there would be far more colorful characters than a qrp op! Is the beach really a good bet? Won't things get too wet? Anywhere else in SM?

This will be my first attempt at the Sweepstakes for QRP -- or for anything, it being my first year as a ham!

73 es 72 de KG9ML, Mike

Michael L. Miller, MD  
millermd@nwu.edu

-----  
Date: Mon, 2 Nov 1998 16:29:39 -0600 (CST)  
From: ac5ez@webtv.net (Larry B)  
To: qrp-1@Lehigh.EDU  
Subject: [23900] sweepstakes  
Message-ID: <25298-363E3253-690@mailtod-121.bryant.webtv.net>  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)  
Content-Transfer-Encoding: 7Bit

What local time and date does arrl ss start in Texas?  
K1zw

-----  
Date: Mon, 2 Nov 1998 18:28:29 -0000  
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>  
To: "gqrp-1" <gqrp-1@blacksheep.org>  
Cc: "qrp-1" <qrp-1@lehigh.edu>

Subject: [23901] FAQ's  
Message-ID: <000001be06b2\$38709440\$7ae9b094@t7w6w7>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Two FAQ's (frequently asked questions) are now on my web site:

FAQ: 'What is the best backpacking antenna?'  
<http://www.homeusers.prestel.co.uk/g3ycc/faq1.html>

FAQ: 'What is the best band to start QRPing?'  
<http://www.homeusers.prestel.co.uk/g3ycc/faq2.html>

Thanks to all those worldwide who contributed.

The next FAQ is 'Which QRP transceiver kit would you recommend and why?'  
Please let me have your views, they will be appreciated by  
newcomers especially.

Thanks for your time.

.....  
Frank G3YCC  
GQRP Club 042  
([g3ycc@g3ycc.prestel.co.uk](mailto:g3ycc@g3ycc.prestel.co.uk))  
QRP Web Site: <http://homeusers.prestel.co.uk/g3ycc/index.html>

-----  
Date: Mon, 2 Nov 1998 16:46:52 -0600 (CST)  
From: [ac5ez@webtv.net](mailto:ac5ez@webtv.net) (Larry B)  
To: [qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)  
Subject: [23902] arrl ss  
Message-ID: <9499-363E365C-1747@mailtod-122.bryant.webtv.net>  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)  
Content-Transfer-Encoding: 7Bit

Ok, lets see if I got this right. SS starts 3pm local time (in Texas)  
on Fri and ends 9pm local time on Sunday.  
K1zw

-----



Date: Mon, 02 Nov 1998 17:50:16 -0500  
From: Steve <smann@advi.net>  
To: crc@io.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23903] Re: Accurate QRP pwr  
Message-ID: <363E3728.5B13@advi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

crc wrote:

>  
> I built the little power measurment set up in the Fall 97 QRPp. And am  
> having trouble making the math work out. The formula given is  
> Watts=Square root of(.707\*pk)squared /50ohms, where pk is the peak DC  
> reading on the voltmeter. If I use those numbers and the figures in the  
> last section of the article I get a value of 2.23 watts for 22.4 volts  
> and the author states the answer is 5 watts. I achieve that answer by not  
> extracting the square root, but I assume the author knows his work  
> better than me and I am wondering where I am breaking down?  
> Charlie WA5KRF AQR#X QRP-L#1207

1. Multiply the peak DC reading by 0.707 to convert it to the RMS  
voltage:

$(0.707 \times 22.4 \text{ volts}) = 15.8368 \text{ volts}$

2. Using Watts = (rms voltage squared) divided by resistance:

$(15.8368 \times 15.8368) = 250.80 \text{ volts squared}$

$(250.8 / 50\text{ohms}) = 5.016 \text{ watts}$

Hope this helps.

Steve N4EY  
ARCI QRP-L# 1754 Zombie badge# 257

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Date: Mon, 02 Nov 1998 17:57:38 -0500  
From: "Jim Kortge, K8IQY" <jokortge@cwix.com>  
To: qrp-l@lehigh.edu  
Subject: [23904] 2N2/40 Update #3  
Message-ID: <3.0.1.32.19981102175738.006f5900@mail49.mci2000.com>  
MIME-version: 1.0

Content-type: text/plain; charset="us-ascii"

Gang....hit your delete key now if you are not interested in the 2N2/40 project.

For those that have decided to read this, I've three items to report.

1) The original 2N2/40 was constructed using small rectangular pads glued on to a piece of PC board material. The pad were made with an ADEL nibbling tool, and are 3/32 X 1/4 inch. I wanted to try another pad geometry, so asked Bob Tellefsen, N6WG, for some help in making a batch of 3/16 inch diameter pads. I been using these pads very successfully in constructing the receiver portion of a second 2N2/40.

So far, I've build the RF Amplifier, Rx DBM, Post Mixer Amplifier, Xtal Filter, and IF Amplifier using Bob's pads. I can achieve the same circuit density as can be obtained with the smaller rectangular pads. So, looks like there are two options now for doing the pads, if you want them all the same size. I understand there are a number of inexpensive metal punches available which will do 3/16 inch diameter holes.

2) Testing the receiver through the IF Amplifier, (see above) indicates it works as-well-as the original, or perhaps a bit better. I've used a different manufacturer for the crystals, and the crystal filter is much better than in the original rig. That's very good news, because, the are much less in cost than those in the first rig. Sometimes things work out the way they're suppose to! :-)

3) Preston Douglas, WJ2V has built a 2N2/40 from essentially the schematics, and his 2N2/40 is working well. That's important, because Preston is what I would call an "average" ham. He is a good builder, but this is his first, serious attempt at scratch building. He doesn't do "electronics" as a job, and indeed, is a Lawyer. As the designer. I'm delighted with his success, and now more confident that others can build this rig, and it will work for them, as if did for Preston.

I'll post another update when I have the receiver's Product Detector and Audio Amplifier completed. At that point, the rig will be finished, since I build the transmit strip, prior to deciding to post these progress reports.

Thanks again for the bandwidth. The private comments are also very much appreciated.

72 and kind regards.....Jim, K8IQY

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@cwix.com		__o H.F. bicycle mobile
Fenton, MI		_'\<, Mizuho 17/40 SSB
...	(*)/(*)	...

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Date: Mon, 2 Nov 1998 18:20:18 EST  
From: DLShips@aol.com  
To: qrp-l@lehigh.EDU, klqrp@waterw.com  
Cc: ab4lg@pscinternet.net, aa4xx@amsat.org, designserv@ipass.net, dhlaute@juno.com, scammp@sccoast.net, ad4tz@gte.net, kr4wm@sccoast.net, bbell1@earthlink.net, K4NK@aol.com, ka4slq@juno.com, liveoak@sccoast.net, w3tmo@juno.com, peterarose@juno.com, rippe@shtc.net, WMintz1021@aol.com,  
Subject: [23905] Re: MORE INFOR -CAROLINA'S NOVEMBER QRP-FEST  
Message-ID: <db75ab10.363e3e32@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings fellow QRP'ers,

It's less than two weeks til the Carolina's QRP-Fest at Jones Lake State Park in Elizabethtown, NC. As promised, here's some further directions to Jones Lake.

The park is located about 4 miles North of Elizabethtown, NC, on highway 242. >From Fayetteville, NC, (located on Interstate 95) the shortest route would probably be to take highway 87 southeast to Elizabethtown then go north on 242 to the park. From the Myrtle Beach, SC, area, one way would be to take highway 501 Northwest to highway 701 then follow 701 North to Elizabethtown then take 242 North to the park.

If you are traveling South on I-95 from Virginia you'll hit highway 701 at

mile marker 97 and you can travel down 701 away from Smithfield toward Clinton to the intersection of Highway 53, 701 and 242 North. At this point you are only a short distance from Jones Lake. You'll see a sign directing you down 242 to the Park.

The campground is very nice and for \$12 you can't go wrong. Day's Inn wants \$54 but gives a 10% discount with AARP, AAA or a business card.

The event will start at 9:00 AM and we've planned a day full of real radio fun. We encourage you to sit down and operate any of the eight stations we'll have around the park. No two stations will be alike. You can get a feel for all types of station accessories and talk to the owners and builders.

We've received some kits to award as prizes and we're looking forward to giving them away to some deserving QRP'er. You could get Lucky...

WE STILL NEED YOUR INPUT TO DETERMINE FOOD REQUIREMENTS. Please e-mail "dhlaute@juno.com" and tell David (KF4HAW) how many of you will be attending. Be sure and include your call(s) in the message and you WILL BE ENTERED FOR A SPECIAL PRIZE DRAWING. (no tickie no chancie, no chancie, no winnie)

Finally, even if you can't come to the Carolina's QRP-Fest you can still win a prize. We'll dangle a 1/2 watt beacon from a high pine branch. The beacon will send a message on 28.017 and will operate from 9:00 - 5:00. Look for the call "KF4WFJ". The most distant station to copy the message will win the prize. QSL instructions are in the message.

That's it for now.. Any additional information will come this way next Monday..

Get psyched and stay tuned....72's

de Don, W3RDF/qrp

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Date: Mon, 02 Nov 1998 15:39:32 -0700  
From: alan dawkins <alk0frp@earthlink.net>  
To: QRP-L@Lehigh.edu  
Subject: [23906] Sweeps Stakes From K0FRP  
Message-ID: <363E34A4.3566359@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bring the house down with QRP logs in SS contest this weekend.  
Get ON  
Make contacts  
Send in Logs even though you made just a few QSO's  
CU There  
Al K0FRP

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Date: Mon, 02 Nov 1998 15:47:33 -0700  
From: alan dawkins <alk0frp@earthlink.net>  
To: qrp-l@lehigh.edu  
Subject: [23907] CQ all A-1 OPS  
Message-ID: <363E3685.996C1EB3@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

If you are an ARRL A-1 operator please reply I will be gathering a list  
of A-1 ops on QRP-l . Also if you know any A-1 ops who are QRPers but  
not on QRP-L send me their E-mail adr. or PO address  
Thank You  
Al K0FRP

-----  
Date: Mon, 02 Nov 1998 17:50:37 -0600  
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>  
To: qrp-l@lehigh.edu  
Subject: [23908] Thanks to the denver QRP'ers  
Message-ID: <3.0.32.19981102175036.006ef9d0@divis17.ped-gen.uiowa.edu>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi all,

I got to meet several of the Denver area QRP'ers who showed some great hospitality. Marshall-N1FN, Jan-N0QT, Larry-?WJ1R, Rich-W0HEP (please excuse and errors/omissions). Real interesting getting a chance to see and handle the wide range of keys that Marshall sells as part of his business.

72,

--adam, n2brt

Adam B. Kanis, N2BRT

adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck

-- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:IowaQRP:SEITS --

\*\* On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> \*\*

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Date: Mon, 02 Nov 1998 23:55:14 +0000  
From: Andy Cunningham <andy@gm0nwi.freemove.co.uk>  
To: US QRP Mailing list <QRP-L@lehigh.edu>  
Subject: [23909] Heathkit Stuff Wanted !!  
Message-ID: <363E4662.AD961D8E@gm0nwi.freemove.co.uk>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

HI GUYS !

I am new to the 'net' and to the mailing list so hope this get's to you all out there .....

I was wondering if anyone on the list 'across the pond' has any info on the 'Qrp Gem's' the Heathkit HW7, 8, and 9 radio's of the 60's, 70's era ....

I am a new collector of these 'gem's' and have a mint HW7 with matching PSU (HW7a), and I am fortunate enough to own also 2 HW8's one in mint condition and the other in need of some 'TLC', due to my physical handicap (I have spina bifida and am confined to a wheelchair) I find it hard to get around to find info at all regarding these rigs.

May be some of you out there saw my recent advertisement in an edition of SPRAT the QRP Club Journal .....

I would be interested in anything whatsoever regarding these i.e mods,  
circuits, books .....ANYTHING!!!

If you have anything of interest for me please e-mail me at the  
following address andy@gm0nwi.freeseve.co.uk  
or you may also find me QTHR in any callbook since 1990 .....

72s Andy GM0NWI Long Live QRP !!!

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End of QRP-L Digest 1264

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